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DAHLIAS

OF
QUALITY AND DISTINCTION

DAHLIADEL
NURSERIES

WARREN W. MAYTROT

VINELAND,
N.J.

1929

POTASH-FED
DAHLIAS



EASTERN STAR
(DAHLIADEL)



We certainly appreciate all the letters we have received telling us of the wonderful results our customers have had growing Potash Fed Dahlias. If testimonials were in keeping with our sales policy, we could fill a book, but we feel fully repaid for our effort in producing a super stock which is manifest by the universal satisfaction of our customers.

You will find another change in Dahliadel catalog, and we hope it will help you in selecting varieties. The number directly following the originator's name is our score of that dahlia, not copied from any trial grounds, but scored as the variety does for us at Vineland, N. J., grown in various types of soil under different methods of topping and pruning, scoring down for such weaknesses as late blooming, not standing August heat, sporting open centres, also scoring hard on foliage being susceptible to ravages of Thrips and Leaf Hoppers. Following is the score card used:

- 15 *Form*—True to type, artistic.
- 15 *Size*—According to type, diameter x depth.
- 15 *Color*—Clean, attractive, pleasing and useful.
- 20 *Stem*—Erect but not cumbersome or brittle.
- 15 *Foliage*—Strong, healthy and insect resistant.
- 15 *Substance*—Including keeping qualities and tight petals.
- 5 *Distinctiveness*—Something different or unusual in form or color.

100

The letters, c g e, classifying the dahlia to its use: (c) Cut flowers—suitable for the florist, or for cutting for baskets, bouquets and decoration. Qualifications are good keepers with tight petals of suitable form and colors, on good stems. Keeping qualities have preference over size. (g) Garden varieties—suitable for landscape work, borders, beds and mass planting, free and early bloomers of showy colors. (e) Exhibition varieties—winners on the exhibition table, having qualities that score high in competitive judging, size, form, stem and color predominating.

"Potash Fed Dahlias" is not a secret or just a trade name, but a modern method of growing dahlias so that they are literally alive with energy, making failure well-nigh impossible. Our whole object in producing such stock is so that you may reap the harvest of blooms, and our cultural directions scattered through the catalog are to aid you in growing them successfully.

The application of Potash in combination with the other elements necessary for proper plant growth (See Fertilizer), accompanied with the following conditions, will produce Potash Fed Dahlias.

First: Cultivation to aerate and sweeten the soil to keep the plant in a steady, healthy, growing condition. See Cultivating.

Second: Watering when necessary to make and keep the plant food available at all times. See Irrigation.

Third: Most important of all is the health of the stock from which your plants or tubers were grown. This condition has its direct effect on the results obtained, for an unhealthy plant, whether stunted or diseased, cannot take up potash or any other element of plant food in sufficient quantities while in this debilitated condition. Hence, unhealthy or diseased plants cannot be "Potash Fed" even if grown in the midst of plenty.

If we were to say "Corn Fed Pork," at once we would see the pig eating corn, but when we say "Potash Fed Dahlias," it is hard to visualize a dahlia feeding on potash, as it is something we cannot see. It is necessary to have the right food available when it is needed, and the animal or plant must be in a healthy state to make proper use of the food and give the results you are looking for.

EASTERN STAR (Dahliadel 87). For description, see page 17.



THE WORLD
(DAHLIADEL)

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DAHLIADEL NURSERIES

WARREN W. MAYTROT
VINELAND, N.J.

THE HOME OF GOOD DAHLIAS WELL GROWN

SHIP TO
NAME

PRINT OR WRITE PLAINLY

STREET

P. O. BOX

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STATE

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SEND CASH BY REGISTERED MAIL ONLY.
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QUANTITY		NAME OF VARIETY OR ARTICLE WANTED	PRICE EACH DOZ. OR C.		EXTEND AMOUNT HERE	
TUBERS	PLANTS		DOLLARS	CENTS	DOLLARS	CENTS
		1				
		2				
		3				
		4				
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		6				
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TOTAL

QUANTITY		NAME OF VARIETY OR ARTICLE WANTED	PRICE EACH DOZ. OR C.	EXTEND AMOUNT HERE
TUBERS	PLANTS			
		AMOUNT FORWARD		
		16		
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		31		
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		33		

SOME OF YOUR FRIENDS INTERESTED IN DAHLIAS WILL SURELY BE GLAD TO RECEIVE OUR CATALOG. DO THEM A FAVOR BY WRITING THEIR NAMES AND ADDRESSES BELOW. THANK YOU.

NAME	STREET	POST OFFICE	STATE

From



THE HOME OF POTASH FED DAHLIAS

GROW POTASH FED DAHLIAS



1929 INTRODUCTIONS

Dahliadel Recommendations

ANNA MARIE (Wiegand 85). For description, see page 15.

ELLA MAY (Prentice-Dahliadel 86). For description, see page 30.

GRACE RICORDS (Ricords-Dahliadel), *c g e*, *Bloom 8 x 4½*, *Bush 5½ ft.* A decided outstanding novelty for 1929. This decorative would have probably won over Kathleen Norris had it not been for storm injury when exhibited at the Camden Show, as it was a very close second and so different from anything else in form and color. Flowers are large with full, high centres, tipped and suffused lavender on a white ground, petals numerous and decidedly cleft, giving the flower an artistic formation. Bush a tall, open and strong grower.

Plants, May 1st, \$7.50

KATHLEEN NORRIS (F. & M.), *c g e*, *Bloom 10 x 5*, *Bush 5½ ft.* This outstanding exhibition dahlia is a true rose pink, deepening later to mallow pink with young central petals a lighter shade. Petals are broad and overlap each other with twisted tips. Blooms are held erect on long, strong stems. It is a healthy grower, having dark green leathery foliage, which is decidedly insect repellent.

Plants, \$7.50

MINNIE EASTMAN (Eastman), *c g e*, *Bloom 8 x 4*, *Bush 6 ft.* This fine introduction has been a popular winner at both the Baltimore and Maryland Dahlia Society Shows for the past three years. It is a very pretty hybrid cactus of a bright flame color with undershavings of deep yellow. Stems, long and erect. Bush growth healthy, with smooth, glossy foliage.

Tubers, \$10.00; Plants, \$5.00

MRS. D. M. RICHARDS (Wiegand 82). For description, see page 15.

NORTH'S YELLOW (Peacock-Dahliadel 86). For description, see page 21.

OLD HICKORY (Dahliadel 85). For description and illustration, see page 4.

TREASURE ISLAND (Dahliadel 88), *169, c g e*, *Bloom 9 x 4½*, *Bush 6 ft.* One of the brightest autumn shade dahlias we have seen. Color, bright apricot with gold, and rose suffusion and shadings. Bush growth is strong, branches readily from the ground, giving 5-foot stems. Flowers are held erect with full centres throughout the season. A dahlia that will score high both early and late in the season. See color illustration on back cover of this catalog. Stock of tubers limited.

Tubers, \$10.00; Plants, \$5.00

WHITE EMPRESS (Jost), *c g e*, *Bloom 8 x 5*, *Bush 5½ ft.* This 1929 introduction bids fair to be the best all-around white yet introduced. It is a strong, healthy grower with flowers held well above the foliage on strong stems. It won the Darnell Cup at New York for the best keeper and should prove very popular for florists' use and on the exhibition table.

Tubers, \$10.00; Plants, \$5.00

THE WORLD (Dahliadel 90), *168, g e*, *Bloom 9 x 4½*, *Bush 5 ft.* This wonderful new dahlia was selected at the A. D. S. Show in New York by Mr. J. D. Sullivan, of the *New York World*. The coloring is an unusually rich, deep, rosy magenta overlaid garnet with silver shadings on edges of petals. A rich and beautiful combination of colors. Perfect, full centers. Stems are strong and erect. Foliage leathery and repellent to insect injury. This greatly admired dahlia is sure to please you. Stock of tubers limited.

Tubers, \$10.00; Plants, \$5.00

JERSEY GROWN DAHLIA SEED—We regret very much that we have no dahlia seed to offer of named varieties, as our crop this year was very short, owing to unseasonable weather. We will be able to take care of repeat orders from last season's catalog already in, and fill a few early orders with the same grade of selected seed at last year's prices.

35 Seeds, \$1.00; 100 Seeds, \$2.50



DAHLIADEL NURSERIES



Decorative Dahlias

Old Hickory

OLD HICKORY (Dahliadel 85), *c g e*, *Bloom 7 x 5*, *Bush 3½ ft.* The dahlia that is easy to grow. A rough-and-ready, rugged plant, semi-dwarf with each branch bearing a large bloom which is almost a ball with centers always full. Stems are ideal for basket arrangement, and the blooms are wonderful keepers. Color, madder red with apricot suffusions.

Tubers, \$10.00; Plants, \$5.00



DECORATIVE DAHLIAS—Continued

- AMUN RA** (Seal 79), *g*, *Bloom 9 x 3*, *Bush 6 ft.* Described as resembling a setting sun. Outer petals are a gorgeous shade of copper and orange, shading to gold and amber and deepening in the center to a reddish bronze. Some flowers show green at centre. **.75**
- BREEZE LAWN** (Dreer 82), *c g*, *Bloom 7 x 3*, *Bush 4½ ft.* Fiery vermilion of good form. Compact grower, early and free bloomer, making a bright spot in your garden. **.50**
- ELITE GLORY** (Kennedy 85), *g e*, *Bloom 10 x 4*, *Bush 4½ ft.* sensational rich red decorative, which is usually found on the exhibition table. Blooms are unquestionably massive with good substance on strong stems. **Tubers, \$3.50; Plants, \$1.75**
- FAITH GARIBALDI** (Boston 85), *g e*, *Bloom 9 x 3*, *Bush 5 ft.* This large exhibition dahlia is deep rose, shading lighter on outer petals held on good stems. A strong grower and free bloomer. **Tubers, \$1.50; Plants, \$1.00**
- FORDHOOK ERECTA** (Burpee 83), *g e*, *Bloom 8 x 5*, *Bush 6 ft.* As suggested by its name, stems are strong and erect. Bright amaranth pink blossoms, shading lighter at the base of petals, produced freely on ideal bush. **Tubers, \$2.50; Plants, \$1.25**
- F. T. D.** (F. & M. 83), *c g e*, *Bloom 7 x 4*, *Bush 6 ft.* A sport of Trentonian and an exact counterpart of its parent except in color, which is a rich Tyrian rose. This variety was named for the Florists' Telegraph Delivery. Flowers are held well above the foliage on rigid stems. A prize winner. Reacts good on severe pruning. D. S. of N. J. Cert. **Tubers, \$4.00; Plants, \$2.00**
- MARGARET MASSON** (F. & M. 83), *g e*, *Bloom 8 x 3½*, *Bush 4½ ft.* Wonderful exhibition variety of a beautiful silvery pink of regular form. It is an excellent keeper, and flowers are produced abundantly on stiff stems. **Tubers, \$1.50; Plants, \$1.00**
- MISS CALIFORNIA** (Pelicano 78), *g*, *Bloom 7½ x 3*, *Bush 6 ft.* A fine early bloomer held well above the foliage on strong, erect stems. Color described as an oriental fuchsia. Bush is an open grower. **Tubers, \$2.00; Plants, \$1.00**
- SALBACH'S WHITE** (Salbach 85), *c g e*, *Bloom 8 x 3*, *Bush 6 ft.* We have in this variety an ivory white dahlia of good substance and keeping qualities, borne profusely on long, stiff stems, making it ideal for all uses. Bushes are healthy. **Tubers, \$3.50; Plants, \$1.75**
- SENATOR BAIRD** (Peacock 76), *g*, *Bloom 8 x 3½*, *Bush 5 ft.* One of the strongest and best growing rich deep red dahlias. Large, full-centred flowers are held on strong stems. **.75**
- TRENTONIAN** (F. & M. 81), *g e*, *Bloom 7 x 3½*, *Bush 6 ft.* A blending of old gold, amber and coppery bronze, with a centre zone of reddish bronze. Petals are well placed, making a flower of good lasting qualities. D. S. of N. J. Cert. **\$1.00**

ALL THE ABOVE VARIETIES ARE THE SAME FORM AS ILLUSTRATION

Green Plants

Dahlia plants are cuttings taken from stock of named varieties, grown in a greenhouse for that purpose, rooted in a sand bench, then potted and grown inside until established, then moved to cold frames for hardening off, ready for field planting.

The popularity of Dahliadel Green Plants is growing fast, and we suggest that you give them a trial on your next order if you are buying the higher-priced varieties, as plants are one-half tuber price in most cases. Green plants, when properly grown from healthy stock, give equal or better blooms than from tubers, and make a nice clump in most varieties. The way the plant is grown has a lot to do with tuber production, but we believe by following our cultural instructions you will have tubers as well as blooms.

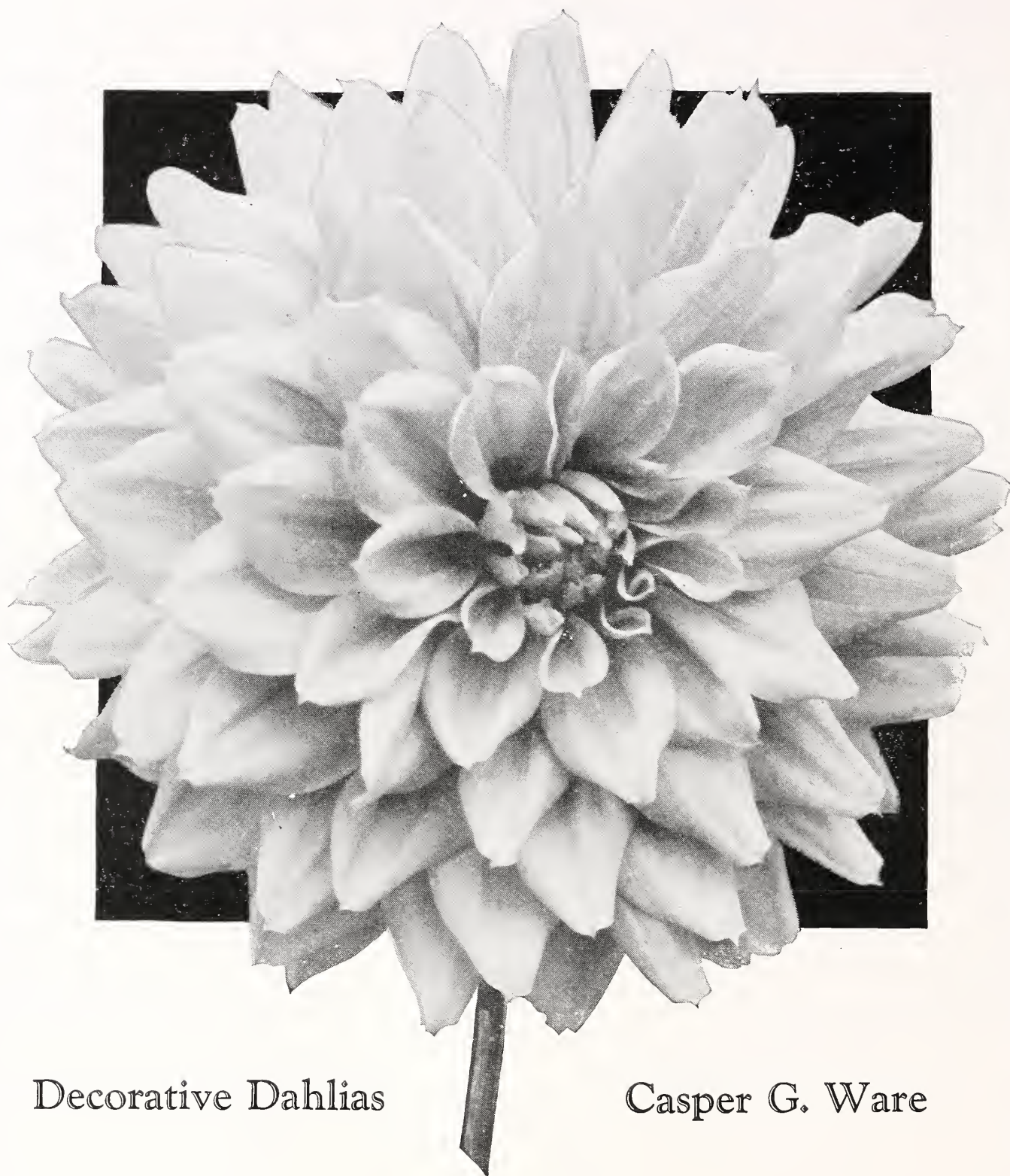
In growing Dahliadel Green Plants, only the strongest cuttings are potted, and again the best plants are selected for filling orders. This assures you of the best stock procurable.

Planting Directions

The following directions are based upon years of practical experience and may be of value in solving some of your cultural problems. These suggestions should be changed to suit the local requirements. However, we sincerely believe that the fundamental principles involved will apply throughout the country.

Care of Green Plants

After removing moss and paper pots from plants that have been shipped, plant them with the top of the ball of dirt about 3 inches below the ground level and cover the top of the ball of dirt about 1 inch. Fill in gradually as the plant develops. In locations where there is danger of flooding, or poor drainage, do not plant as deep.



Decorative Dahlias

Casper G. Ware

CASPER G. WARE (Bowen-Dahliadel 85), *c g e*, *Bloom 8 x 4*, *Bush 4 ft.* This is truly a dahlia of many uses. When grown naturally without disbudding, you have an ideal flower for bedding or hedge effect with a mass of blooms throughout the season. For exhibition or cut flowers, prune out, leaving only four to eight shoots, and by disbudding you will have blooms up to 10 inches in diameter with full centres until frost. It is one of the best and outstanding varieties, especially for its keeping qualities. Color, a pleasing shade of bright silvery violet rose. D. S. of N. J. Cert.

Tubers, \$2.00; Plants, \$1.00

A. H. S. '23 (Peacock 79), *g e*, *Bloom 8 x 4*, *Bush 4½ ft.* A very attractive and well-formed deep sulphur yellow dahlia with rather short stems, but good when disbudded. Bush growth, stocky and healthy.

Tubers, \$2.50; Plants, \$1.25

ELLINOR VANDERVEER (Seal 81), *g e*, *Bloom 8 x 4*, *Bush 5½ ft.* A universal favorite of great size, depth and substance, on excellent stems. Glowing rose-pink with darker shadings.

Tubers, \$1.50; Plants, \$1.00



DECORATIVE DAHLIAS—Continued

FORT WASHINGTON (Rindfleisch-Jost 85), *g e, Bloom 10 x 4, Bush 7 ft.* This is at present the best and largest dark red exhibition decorative. The bushes as well as the flowers are giants with long, strong stems. A dark mahogany red which does not fade.

Tubers, \$4.00; Plants, \$2.00

IDA PERKINS (Montrose 88), *g e, Bloom 8 x 4, Bush 5½ ft.* One of the finest large white dahlias grown, of fine form and full centres, on strong and erect stems. Blooms early and continuous. Dark, leathery foliage. A coming prize winner.

Tubers, \$7.50; Plants, \$3.75

KITTIE DUNLAP (Boston 73), *g e, Bloom 8 x 3, Bush 6 ft.* A dahlia very similar to Mrs. I. de Ver Warner in color and size, but differing in form. A good keeper on fine stems. Color, an American Beauty shade.

.75

MARCELLA (Gill 76), *c g, Bloom 5 x 2, Bush 5 ft.* A delightful clear, soft pink of perfect form, held erect on individual stems. Exceptionally free bloomer of medium size which is fine for cutting. Scores well as a cut flower.

.25

MONMOUTH JEWEL (Kemp 83), *g e, Bloom 8 x 3, Bush 6½ ft.* A seedling of Amun Ra. Color, bitter-sweet orange, shading lemon chrome at base of petals. Large, well-formed flowers held well above the foliage on strong, stiff stems. Plants are strong and healthy growers resistant to leaf-hoppers.

Tubers, \$5.00; Plants, \$2.50

MR. CROWLEY (Broomall 77), *g, Bloom 6½ x 3, Bush 4½ ft.* A bright colored garden dahlia of glowing salmon pink with base of petals yellow. Although a compact grower, good stems can be produced by disbudding. Fine for color effect when grown naturally.

.75

MRS. I. DE VER WARNER (Marean 84), *c g e, Bloom 10 x 3, Bush 6 ft.* No dahlia planting should be without this universal favorite. Color, a clear, bright lilac rose. The plant is a strong open grower, and the giant flowers can be produced on stems up to 5 feet in length by pruning and disbudding.

.50

SNOWDRIFT (Broomall 75), *g, Bloom 9 x 3, Bush 4½ ft.* Large pure white with broad, rather flat waxy petals. Has a good stem by disbudding. A good bloomer and easy to grow.

.75

SPOTTSWOOD BEAUTY (Rigler 85), *c g e, Bloom 8 x 4, Bush 5 ft.* A beautiful, soft combination of Chatenay pink with yellow shadings at the base of petals. Flowers are of good form on long, erect stems well above the foliage. Plants are strong, healthy growers of good branching habits.

Tubers, \$7.50; Plants, \$3.75

UNCLE TOM (Reed-Adams 83), *g e, Bloom 7½ x 3, Bush 5½ ft.* This is one of our best deep garnets, almost black, yet rich and artistic. Flowers are good keepers, held erect on strong stems. A color needed in your collection.

Tubers, \$2.00; Plants, \$1.00

ALL THE ABOVE VARIETIES ARE THE SAME FORM AS ILLUSTRATION

Care of Green Plants—Continued

Cut all plants back to 2 or 3 pairs of leaves above the ground or at least pinch out the top to cause the plant to branch.

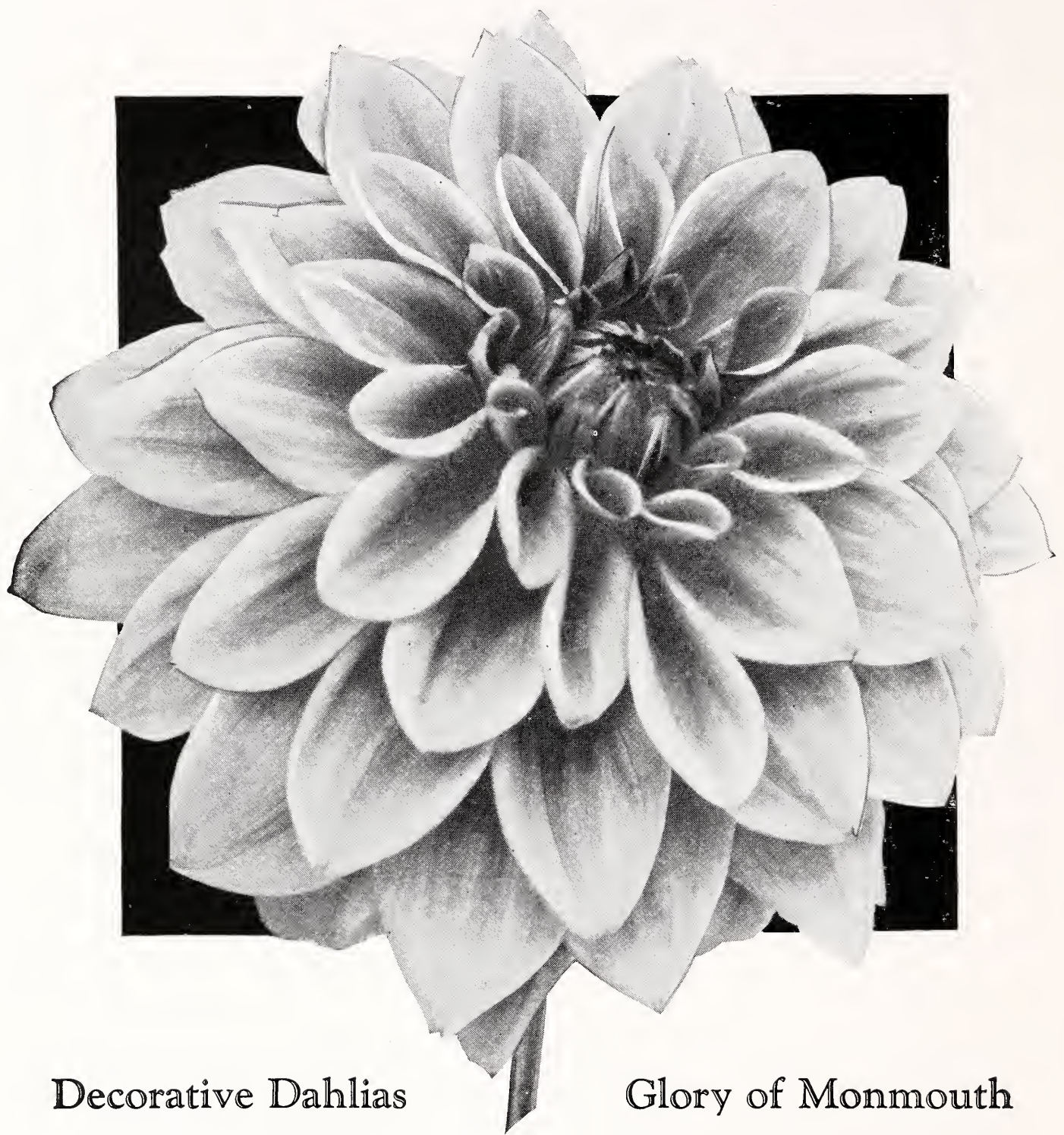
Water thoroughly and then protect with open basket or open crate for a few days as a partial protection from the sun and wind. For cut worms, scatter Poison Bait the evening of planting. See "Cut Worms."

Dahliadel Green Plants are properly grown and hardened for shipment and in our specially designed shipping box have been successfully sent all over the U. S.

WHEN TO PLANT. One of the common errors in the culture of dahlias is planting too early. In the latitude of Philadelphia they should be planted between May 15 and June 15. Farther north, where the hot spells in July and August are less harmful and early frosts are prevalent, plant as soon as danger of frost is over.

The earlier you plant, the more you will have to cut back, thin out and disbud to get large blooms in September and October.

DIVIDING CLUMPS. It requires a little judgment to divide dahlia roots properly, as some varieties are more compact than others. The eyes will be found around the stem or crown, and never on the tuber itself, like a potato. Hence a tuber without a piece of the crown is worthless. A division consisting of a good tuber with one good eye is all that is necessary; more are of no advantage. Large clumps should never be planted whole.



Decorative Dahlias

Glory of Monmouth

GLORY OF MONMOUTH (Kemp 85), *g e*, *Bloom 8 x 5*, *Bush 5 ft.* A beautiful salmon pink with light orange at the base of petals. The bush is of rather compact branching habit, literally covered with blooms, making it a beautiful specimen. Flowers are of a heavy texture produced on long, sturdy stems. Good substance and artistic coloring make it a wonderful dahlia.
Tubers, \$3.50; Plants, \$1.75

CHAMPAGNE (Boston 83), *g e*, *Bloom 8 x 4*, *Bush 6 ft.* A popular dahlia in the autumn shades. Color, golden champagne with chamois shadings. A good grower and free bloomer on erect stems.
\$1.00

HARRY MAYER (Reed 87), *g e*, *Bloom 9 x 4*, *Bush 4 ft.* A fine exhibition dahlia that holds an even full centre, has size, depth and strong stem. Bush grows sturdy but rather compact. Color, beautiful silvery pink with a rose pink reverse. An attractive and satisfactory dahlia.
Tubers, \$5.00; Plants, \$2.50

JANE HALL (Peacock 83), *c g*, *Bloom 6 x 4*, *Bush 4½ ft.* A full, high-centred decorative with petals reflexing to stem and keeping well when cut. Blooms well above the foliage on stout stems. Color, buff yellow with bronzy suffusion.
.75



DECORATIVE DAHLIAS—Continued

KEMP'S LAVENDER (Kemp 83), *g e*, *Bloom* 7½ x 4, *Bush* 5 ft. Another free-blooming variety of regular form and good substance. The violet mauve flowers are large with full centres.
Tubers, \$5.00; Plants, \$2.50

M. F. HEAPHY (Murphy 79), *g*, *Bloom* 7½ x 4, *Bush* 5 ft. Large, deep flowers of velvety crimson carmine with reddish purple shadings. An early bloomer with good stems.
Tubers, \$2.50; Plants, \$1.25

MORDELLA (Kemp 75), *g e*, *Bloom* 9 x 4, *Bush* 7 ft. Apricot buff, beautiful under artificial light. Flowers large and gracefully formed on long stems.
\$1.50

ROMAN EAGLE (F. & M. 87), *c g e*, *Bloom* 10 x 3, *Bush* 5 ft. This popular dahlia is an uncommon autumn shade decorative of a brilliant burnished copper. A dahlia that does exceptionally well in medium to light soil. D. S. of N. J. Cert. A real winner on the exhibition table.
Tubers, \$2.00; Plants, \$1.00

SUNNY JERSEY (Dahliadel 78), *g*, *Bloom* 7 x 3½, *Bush* 4½ ft. An exceptionally free bloomer with flowers a foot or more above the foliage on erect stems. Color, lemon yellow, with golden suffusion.
\$1.00

ALL THE ABOVE VARIETIES ARE THE SAME FORM AS ILLUSTRATION

SOIL PREPARATION. *The dahlia will grow and produce excellent results on a wider range of soils than any other flowering plant. It is not a matter of soil type, but one of soil preparation. The primary factor to consider in growing dahlias is that of drainage, which in sandy soils is well taken care of, but in heavy soils dig in and thoroughly mix a quantity of coarse coal ashes or peat moss to open up the soil.*

For real heavy soil with poor drainage, we might suggest ditching 18 or more inches deep where the row is to be planted, running the ditch with the slope if possible. Fill in with coarse ashes, clinkers, or any coarse material that will not rot, keeping it below spading depth, then fill in top with a mixture of soil and peat moss, probably 20% to 30% peat moss. This, although quite a task, will enable you to grow what your neighbors cannot, unless they do likewise.

As soon as the soil can be worked in the spring it may be further improved by a cover crop of oats and Canada field peas. Or, better still, sow rye in September or October. This green crop will do no harm during the late blooming season, will winter over, and should be turned under about two weeks before planting. This will add organic matter, supplying humus and further adjusting soil conditions. If soil is poor, the oats or rye may be top dressed with stable or hen manure, the sooner after planting the better.

FERTILIZERS

Of the ten elements considered absolutely necessary to plant growth, we find nitrogen, phosphorus and potassium the prime essentials and the ones most lacking.

Nitrogen stimulates the growth above ground, producing large bushes and flowers, but if used to excess the flowers will be soft, wilting readily, and the bushes will be overgrown and lower the vitality of the tubers.

Phosphoric acid increases the root development, especially the lateral and fibrous roots, strengthens the plant growth and gives substance to the bush and flowers. It also aids in ripening the tubers. This element is found in bone meal, with a small amount available in manures.

Potash is the balancing agent for nitrogen and phosphoric acid. It gives color to the flowers and foliage, and vigor and tone to the plant in general. It is an essential in starch formation and aids in the maturing of well-nourished tubers.

FERTILIZER to be applied before planting.

Scatter broadcast after spading and mix thoroughly into the top soil to every 100 square feet of ground or to each 10 dahlia hills.

5 lbs. Raw Bone Meal

10 lbs. Unleached Wood Ashes or

1 lb. Muriate or Sulphate of

Potash, not both

Bone meal may be doubled if soil is very poor.

FERTILIZER or TOP DRESSING to be applied about August 15.

Scatter broadcast over ground not closer than 6 inches nor more than 18 inches from the stalk and rake in, to every 10 hills.

1½ lbs. Raw Bone Flour

1½ lbs. Animal Tankage or

4 lbs. Sheep Manure, not both

5 lbs. Unleached Wood Ashes or

½ lb. Muriate or Sulphate of

Potash, not both



Decorative Dahlias

Jersey's Beauty

JERSEY'S BEAUTY (Waite 89), *c g e*, *Bloom 6 x 4*, *Bush 6½ ft.* Probably the most popular of any dahlia especially as a cut flower. The ideal pink for exhibition or florist use. Large, deep flowers of perfect form on long stems. Free, early bloomer with exceptional keeping qualities. **Tubers, .75; Plants, .50**

HALVELLA (McWhirter 79), *g e*, *Bloom 8 x 4*, *Bush 6½ ft.* A massive dahlia on long stems. Flowers are a beautiful shade of rose pink, a little darker than Jersey's Beauty. Profuse early bloomer. **.75**

JERSEY'S DAYBREAK (Waite 84), *g e*, *Bloom 8 x 4*, *Bush 6 ft.* This much-admired dahlia is Hermosa pink, shading to creamy yellow in the centre. Flowers of good size with high pointed centres; hold their splendid form throughout the season. The stems are rigid and the foliage is of a leathery texture. **Tubers, \$5.00; Plants, \$2.50**

JERSEY'S GEM (Waite 84), *c g e*, *Bloom 8 x 3*, *Bush 6 ft.* Large, well-formed flowers of lavender pink on long, erect stems. A good grower and bloomer. A. D. S. Cert. **Tubers, .75; Plants, .50**

M. H. DE YOUNG (Boston 86), *c g e*, *Bloom 7 x 3*, *Bush 5 ft.* Pure gold with the centre illuminated with a brighter shade. Large blooms are held high on stiff stems well above the foliage. An excellent autumn shade cut flower or exhibition variety. **Tubers, \$2.00; Plants, \$1.00**

MISS SAN FRANCISCO (Pelicano 83), *c g e*, *Bloom 8 x 5*, *Bush 4½ ft.* One of the best Western introductions for 1928. True orchid shade suffused with deep rose. Flowers of good form and substance held well above the foliage on strong, erect stems, centres full. A sturdy grower with heavy foliage. **Plants, \$1.75**

MRS. CARL SALBACH (Salbach 78), *g e*, *Bloom 7½ x 3*, *Bush 7 ft.* Although not as deep as Jersey's Beauty, this dahlia is very similar in petal formation, stem and keeping qualities, all of which are ideal. Color, lilac rose, shading to white at base of petals, giving it a general tone of soft rose. **.50**



DECORATIVE DAHLIAS—Continued

- PRES. WILSON** (Jones 84), *g*, *Bloom* 7½ x 3½, *Bush* 4½ ft. One of the most striking variegated dahlias. Crimson carmine tipped white; a few flowers all red. Bush dwarf; flowers numerous on good stems. Its one fault—a poor root maker. **Tubers, \$2.00; Plants, \$1.00**
- PRIDE OF CALIFORNIA** (Lohrman 78), *c g*, *Bloom* 6 x 3½, *Bush* 5½ ft. A large crimson red shading darker at the center, which is very full; petals notched. Profuse bloomer on good stems. **.35**
- ROBERT SCOTT** (Brock 80), *g e*, *Bloom* 8 x 3½, *Bush* 5 ft. This fine new dahlia is of a bright apricot yellow with shades of rose. Flowers are large and deep, of good form, on excellent stems. The bush is of stocky growth. **Tubers, \$2.50; Plants, \$1.25**
- SAGAMORE** (Kirby 84), *c g e*, *Bloom* 7 x 3½, *Bush* 5½ ft. This dahlia is a wonderful commercial and exhibition variety. Color, amber gold, elusively shaded with a warm salmon rose and orange buff. An open, strong grower with good stems, of uniform large size. **Tubers, \$1.00; Plants, .50**
- SANHICAN'S PRINCESS** (F. & M. 83), *c g*, *Bloom* 6½ x 3½, *Bush* 5½ ft. This fine dahlia is for those of artistic temperament, beauty rather than size, specially suited for cutting and indoor decorating. Color, true shrimp pink. An early and profuse bloomer on stiff stems. D. S. of N. J. Cert. **Tubers, \$1.50; Plants, \$1.00**
- VENUS** (Marean 72), *g*, *Bloom* 7 x 3½, *Bush* 5 ft. Flowers are large with slightly wavy petals of white shaded violet rose, a dainty color effect. Bush habit desirable. This dahlia's popularity is due to its incessant blooming. **.35**
- WATCHUNG SUNRISE** (Smith 86), *g e*, *Bloom* 9 x 5, *Bush* 6 ft. This fine variety differs from the accompanying illustration, as the petals are longer and somewhat curled or twisted. In color it is a golden amber, with the reverse of petals showing rose pink and each petal distinctly edged rose pink, making it very distinctive. Flowers are massive on strong, erect stems. **Tubers, \$7.50; Plants, \$3.75**
- WHITE GLORY** (Alling 80), *c g*, *Bloom* 8 x 3½, *Bush* 4 ft. This fine, large white is an early and continuous bloomer. Flowers well formed, full centred on long, erect stems. A. D. S. Cert. **\$1.50**

ALL THE ABOVE VARIETIES ARE THE SAME FORM AS ILLUSTRATION

HOW TO PLANT. Tubers should be planted in trenches or holes 6 inches deep, laid flat down (not on end) and covered with earth not over 2 inches in depth, filling in as the plant develops. Where drainage is poor, do not plant so deep and keep a furrow open between rows to facilitate drainage in wet weather.

Do not plant the roots in or over any quantity of compost or hot manure. The rows should be from 4 to 5 feet apart and the plants in the row from 2 to 3 feet apart, or from 6 to 10 square feet should be allowed for each plant. A novel way to plant is to place your stakes 4 x 5 feet apart, and plant a tuber or plant on each side of the stake, giving you room to walk between and care for your plants, and also get as many in a given area as if planted twice as close. Different varieties will not mix by growing them together. Also, should one plant fail, there will be no blank places.

CULTIVATION. By cultivating at least once a week, and as soon after a rain as the ground can be worked, the weeds will be held in check and a soil mulch formed which will conserve the moisture and lessen the need of irrigation.

As the plant develops and the feed roots come toward the surface, the ground should be worked rather shallow around the hill for the radius of at least a foot. Still work the balance of the ground rather deep and bring some fresh soil to the plant at each cultivation, giving the plant a new supply of food and protecting the surface roots from the heat of the sun. Have the hills mounted 5 or more inches by the middle of September. This will help support the stalks.

IRRIGATION. When your dahlias need water, wet the ground so it will penetrate about a foot deep when growing in light soil. In heavy soil, watering need not be as heavy, as it may be followed by a rain and overwatering may result. Cultivate as soon as sufficient drainage has taken place, and do not water again until necessary, which will be a week or more.

Do not spray your dahlia bushes, and sprinkle the surface of the ground every night or so, for this will only pack the surface, preventing air circulation and causing the soil to crust and dry rapidly in the sunshine. This also draws the feed roots to the surface, to be sickened by the heat of the sun's rays. The flowers obtained are soft and the root development very poor, low in vitality and hard to winter.



Decorative Dahlias

Peacock

PEACOCK (Peacock 80), *g*, *Bloom* 6 x 4, *Bush* 3½ ft. One of the finest variegated dark red and white dahlias grown. Flowers borne erect, well above the foliage, of even form with full, deep centres, evenly marked as much white as reddish purple, a characteristic uncommon in variegated dahlias.

Tubers, \$2.00; Plants, \$1.00

D. M. MOORE (Wilmore 77), *g*, *Bloom* 6 x 3½, *Bush* 4 ft. Rich dark velvety maroon, almost black. A most popular dark dahlia. Bush of medium height. Early and profuse. .35

ELSIE JANE (Schmidt 82), *g*, *Bloom* 8 x 4, *Bush* 6 ft. Flowers are of good size with full centres. It is a healthy, vigorous grower and prolific bloomer. Color, pale lilac rose, shading to white at the center and distinctly tipped with bright violet mauve. A beautiful flower. Stems at times are a little weak.

Tubers, \$2.00; Plants, \$1.00

GLORY OF ARGONNE (Dahliadel 79), *g*, *Bloom* 6½ x 3½, *Bush* 4½ ft. Color, delicate violet rose, shading to white at centre. Perfect, even form, on erect stems. .50

JEAN KERR (Burpee 79), *c g*, *Bloom* 5 x 3, *Bush* 4 ft. This white dahlia of medium size is always in bloom. Bush compact. Flowers well above the foliage on good stems. Fine for bedding and a good keeper for cutting. .35

LA GROSSE BETE (Marean 78), *g*, *Bloom* 7 x 5, *Bush* 6 ft. Large flowers of a rich cerise, held on strong stems. A heavy grower and popular variety. .75

LE GRAND MANITOU (Charmet 80), *g*, *Bloom* 7 x 3½, *Bush* 4 ft. Color, Bishop's violet mottled and striped French purple, some blossoms self-colored, of excellent form. .50

SHELIKOFF (Tyler 78), *g*, *Bloom* 6½ x 4, *Bush* 5 ft. One of the best dark dahlias for your garden. Large, well-formed flowers of good substance on erect stems. Color, deep garnet. A. D. S. Cert. .50

WINFIELD SLOCOMBE (Slocombe 82), *c g*, *Bloom* 6 x 3½, *Bush* 5 ft. This fine dahlia is a beautiful burnt orange, shading to gold at the centre, an alluring combination for decorative purposes under artificial light. A continuous bloomer on good stems. \$1.00



Decorative Dahlias

Little Jewel

- LITTLE JEWEL** (Papendrecht 86), *c g*, *Bloom* 2 x 1, *Bush* 3 ft. A miniature decorative. Popular as a cut flower, especially for decorations. Color, a pleasing peach blossom pink. This dahlia is not a seedling, but a sport of Delice and very similar in color. **.50**
- DELICE** (Charmet 80), *c g*, *Bloom* 5½ x 2, *Bush* 5 ft. Old but still good. A bright yet soft, luminous pink. Flowers held facing, well above the foliage. **.35**
- MR. C. H. DRESSELHUYS** (Sluis & Groot 79), *c g*, *Bloom* 6 x 2½, *Bush* 5 ft. Popular with the commercial grower because of its productiveness and keeping qualities. Medium-sized blooms on long stems. Similar to Delice in color. Soft rose pink, shading lighter. **.35**
- PINK FLAMINGO** (Flamingo 74), *c g*, *Bloom* 6 x 3, *Bush* 4½ ft. One of our best keepers as a cut flower. An occasional open-centre flower does not taboo the variety as a profitable commercial flower. Color, violet rose, overlaid soft Tyrian rose. **.25**

ALL THE ABOVE VARIETIES ARE THE SAME FORM AS ILLUSTRATION

BRANCHING. Allow only one stalk to grow (never more than two). Pinch out the crown or centre above the second pair of leaves or eyes. The principle of taking out the centre is to develop the eyes, which are located at the base of the leaves between the stem and leaf. The top pair of eyes will make themselves evident in surprisingly short time, and these shoots or laterals on most varieties should be pinched back again, leaving one pair of eyes on each branch. By the time these get a start, the second or lower set of eyes on the main stalk will have developed along with the four above. These six stems should bear the first six flowers.

DISBUDDING. When the terminal bud on each of these stems is about the size of a small acorn, or as soon as the side shoots are large enough to pull out, disbud by taking out all the side buds and shoots except the lower pair on each of the six branches. Leave only one side shoot on each, should you desire very large flowers. These new branches should be handled as the previous set. All of the disbudded stem should be cut with the flower. This early disbudding and pruning is not solely for the benefit of the first six flowers, but mainly to keep the bush low and properly branched for the future crop.



Decorative Dahlias

Vineland

VINELAND (Dahliadel 76), *g e*, *Bloom* 8 x 3½, *Bush* 4 ft. Since introduction, this dahlia has made many friends. The bushes are strong and healthy, producing an abundance of large flowers of that popular fall shade, russet orange suffused apricot. .75

AMARILLO GRANDE (Broomall 86), *g e*, *Bloom* 11 x 4, *Bush* 5 ft. One of the large light yellow dahlias often found on the exhibition table. The flowers are well formed and held on strong, erect stems. A good grower. **Tubers, \$3.00; Plants, \$1.50**

ANNA MARIE (Wiegand 85), *g e*, *Bloom* 6 x 3, *Bush* 6 ft. This dahlia's popularity is due to its attractive coloring of old gold suffused reddish salmon, distinctly tipped white. Flowers of good form on fine stems. This variety should be topped, as center crown blooms are apt to have green centres, but lateral blooms come good until frost. **Tubers, \$5.00; Plants, \$2.50**



DECORATIVE DAHLIAS—Continued

- COLOR SERGEANT** (Hall 85), *g e, Bloom 10 x 4, Bush 5½ ft.* This striking variety is becoming very popular. Color is unusual, being a rich, deep salmon bronze of one shade. A strong, upright grower with perfect stems. D. S. of N. J. Cert. **Tubers, \$7.50; Plants, \$3.75**
- EARLE WILLIAMS** (Doolittle 85), *c g e, Bloom 8 x 4, Bush 5½ ft.* One of the best bi-colored dahlias. A pleasing scarlet distinctly tipped white with an occasional bloom solid red. Flowers deep and large with full centres of regular form on erect stems. **\$1.00**
- F. A. KENT** (F. & M. 79), *g e, Bloom 9 x 4, Bush 6 ft.* A pleasing dahlia of the stag-horn type. A beautiful mellow pink with rigid stems that hold the flower well above the dark green foliage. D. S. of N. J. Cert. **\$1.00**
- GRANDOLA** (Broomall 81), *g e, Bloom 9 x 4, Bush 6½ ft.* This dahlia is very attractive, its color being a brilliant golden orange. The blooms are of good size held erect on fine stems, making a very desirable dahlia. **Tubers, \$3.50; Plants, \$1.75**
- HATHOR** (Seal 80), *g, Bloom 8 x 3, Bush 6 ft.* A dahlia of vivid coloring, not red, but soft flame, shading to lemon yellow at the base of each petal. Blooms are large with pointed petals and artistic formation on erect stems. **Tubers, \$3.00; Plants, \$1.50**
- ISLAM PATROL** (Davies 80), *g, Bloom 7 x 3½, Bush 5½ ft.* The popularity of this unusual dahlia is due to its striking coloring. A very dark velvety scarlet tipped and flushed pure gold. Flowers are well formed on good erect stems, keeping well when cut. **Tubers, \$1.50; Plants, \$1.00**
- JERSEY'S FIANCEE** (Waite 80), *g e, Bloom 8 x 4, Bush 6 ft.* This variety will give you a lot of nice blooms. Color, rose pink with the points of the petals slightly tipped gold. A good, healthy grower, stems good. **Tubers, \$2.50; Plants, \$1.25**
- LADY LYNDORA** (Hall 84), *g e, Bloom 9 x 4, Bush 3½ ft.* This lovely dahlia is bound to become popular, especially in the pink class, as it is a pure pastel pink, with formation, size and stem to carry it through. Bush growth semi-dwarf, with exceptionally free blooming habits. **Tubers, \$5.00; Plants, \$2.50**
- MRS. D. M. RICHARDS** (Wiegand 82), *g e, Bloom 8 x 5, Bush 5 ft.* This new dahlia can be described as a Rose Nyron red or deep rose pink with golden apricot suffusion, which shows up well under artificial light. Bush strong, foliage leathery, stems long and erect. Blooms from early until late with full centers. A good keeper for cutting. **Tubers, \$5.00; Plants, \$2.50**
- MRS. ELEANOR MARTIN** (Pelicano 78), *g e, Bloom 9 x 3, Bush 5 ft.* A very striking and popular dahlia. A peculiar rose shade with reverse of violet, well described as "Mulberry." A profuse bloomer with good stems. **Tubers, \$2.00; Plants, \$1.00**
- MRS. F. A. C. PERRINE** (F. & M. 78), *g e, Bloom 9 x 4, Bush 6 ft.* Another exhibition dahlia of the stag horn type. Petals curiously curled and twisted, terminating in sharp points. **Tubers, \$1.50; Plants, \$1.00**
- NOBILIS** (Doolittle 80), *c g e, Bloom 8 x 3½, Bush 5½ ft.* Very similar to Earle Williams in form and color, except that the white predominates. Color, crimson and white. A real exhibition and commercial variety. **.75**
- PRIDE OF DAHLIADEL** (DahliaDel 78), *g, Bloom 8½ x 4½, Bush 5½ ft.* Color, a deep, non-fading carmine red somewhat similar to the Grizzly. Blooms are deep with full centres produced on strong, healthy bushes. **.75**

ALL THE ABOVE VARIETIES ARE THE SAME FORM AS ILLUSTRATION

DISBUDDING. Care should be exercised with late topping or cutting back not to open hollow stems so that water can get in and start stem rot. Should water get into the stalk, slit the stalk just above the ground with the point of a sharp knife, and by twisting the knife let the water out.

Certain varieties branch to excess. These should be thinned out at intervals of two weeks, and not more than six shoots allowed to come into bloom for the first flowers. This affords the plant better air circulation and sunlight.

THRIPS are tiny insects that enter the growing tip or shoot and chafe the newly formed leaves, injuring them so that they develop malformed and curled. These insects seem to enjoy the life blood of certain varieties on account of its flavor and do not molest the adjacent bush. If the attack is not checked it will result in a stunted bush, which in reality is only debilitated by insect ravages.



DAHLIADEL NURSERIES



Decorative Dahlias

Jersey's Beacon

JERSEY'S BEACON (Waite 85), *g e*, *Bloom 9 x 4*, *Bush 4½ ft.* The most spectacular of the Jersey family. Color, bright scarlet with a buff reflex, giving a two-tone effect. A free, early bloomer of extremely massive proportions with sturdy stems. **Tubers, \$1.50; Plants, \$1.00**

BASHFUL GIANT (Marean 70), *g*, *Bloom 10 x 4*, *Bush 3½ ft.* Well named, for it is a flower of unusual size, and although held on a strong stem, faces partially downward. Color, apricot with golden suffusion and shadings. **.50**

EASTERN STAR (Dahliadel 87), *c g e*, *Bloom 9 x 4*, *Bush 5 ft.* The color reproduction on the inside front cover cannot portray the lively tones of this wonderful dahlia, but does give you a general idea. Color, a saffron yellow with old gold shadings. Flowers of great substance and good keeping qualities, with full centres held on strong, erect stems. Excellent bush growth and free flowering. Eastern Star has a wonderful prize-winning record and will be a real winner for years to come. It is one of the finest exhibition dahlias you can grow. D. S. of N. J. Cert. **Tubers, \$2.00; Plants, \$1.00**



DECORATIVE DAHLIAS—Continued

EL DORADO (Boston 80), *c g e, Bloom 8 x 4, Bush 4½ ft.* An all-purpose dahlia. Pure gold, deepening at the centre. Large, well-formed flowers held well above the foliage on good stems. A profuse and early bloomer. **\$1.00**

ELIZA CLARKE BULL (Boston 82), *g e, Bloom 8 x 4, Bush 4½ ft.* The largest white decorative from the West. A free bloomer, of perfect form and good substance that does not burn in extreme heat. Bush of medium height. A desirable variety with light green foliage. **Tubers, \$2.50; Plants, \$1.25**

MARTHA WASHINGTON (Chester-Dahliadel 76), *g, Bloom 8 x 4, Bush 5 ft.* A popular large, full-centred decorative dahlia. Color, rich velvety maroon with a lighter reflex and tipped Tyrian rose. A very striking combination. Excellent stems and bush growth. **.75**

PAUL REVERE (Bissell 82), *g e, Bloom 8 x 4½, Bush 5½ ft.* This fine red dahlia does not fade or burn in the strongest sunlight. Wavy petals are a rich, bright velvety red and look as though faintly suffused with black. Excellent stem and growing habits. **Tubers, \$2.50; Plants, \$1.25**

QUEEN OF THE GARDEN BEAUTIFUL (Burns 82), *g e, Bloom 10 x 4, Bush 4½ ft.* This distinctive and interesting dahlia originated in the famous garden of the San Quentin Prison. An immense primrose yellow, facing upward on strong stems. An occasional bloom has a green centre, but it is so massive that we easily overlook the imperfection. **Tubers, \$3.00; Plants, \$1.50**

ROBERT TREAT (Muehler 80), *g e, Bloom 9 x 4, Bush 5½ ft.* This dahlia, similar in color to the American Beauty Rose, is different from any other dahlia in shade or color. Plants are strong, healthy growers of spreading habit. Flowers produced freely on long, erect stems. **\$1**

ALL THE ABOVE VARIETIES ARE THE SAME FORM AS ILLUSTRATION

LEAF-HOPPERS are larger than Thrips and of a pale yellowish green color, a little over ⅛ of an inch in length. They fly when the bush is touched during the heat of the day. These sucking insects do much to keep a plant from getting a good start. They, as well as Thrips and Aphids, are common carriers of virus diseases and should be kept in control for this reason if for no other. During the windy weather when dust cannot be applied to advantage, overhead sprinklers used during the heat of the day will control red spider and check the Leaf-Hoppers and Thrips.

We believe the best control of Thrips, Leaf-Hoppers and Aphids is by dusting with a good nicotine dust. Apply in sunshine with the temperature above 70 degrees at weekly intervals from the time the plants are set or tubers start to grow as a preventive, and if any should appear, then about every four days until they disappear.

Another good control method is to spray with Pyrethrol. This can be done at any time of day and regardless of weather conditions, except rain. We have found this very effective for Leaf-Hopper, Thrip, Red Spider and Aphids, 2 ounces to the gallon of water. For flea beetles, grasshoppers, ants and Japanese beetles, 4 ounces to the gallon. Should a bush be infested with ants, spray bush and pour a teacupful of spray down the ant hill. This will do the dahlia no harm, but kill the ants.

By dusting or spraying before the presence of insects, it is doubtful if you will see any. As it is difficult to procure Nicotine Dust and Pyrethrol in most localities, we are listing them on page 42 of this catalog.

STEM BORER. This black-and-white striped worm enters the stem above the ground and usually works upward and will be noticed in the early season by the shortening of the internodes, later on by wilting. Cut the plant off near the ground and get the borer with your knife. If the borer is below where you want to cut back, use a hooked wire from the top. A plant cut back not later than July 15th should be in full bloom early in September.

Should a plant be too large to cut back when borer is discovered, use Pyrethrol at strength of 4 ounces to gallon and inject with ear syringe. This will kill the borer or drive it out. Drain stalk out by slitting at the bottom to prevent stem rot.



Decorative Dahlias

Margaret Woodrow Wilson

MARGARET WOODROW WILSON (F. & M. 84), *g e*, *Bloom 9 x 4*, *Bush 4½ ft.* An exhibition decorative of immense size and wondrous beauty. Color, an opalescent pink. Face of petals creamy white with a phlox pink reverse. D. S. of N. J. Cert. A good grower and early and profuse bloomer.

Tubers, \$2.50; Plants, \$1.25

AZTEC GLORY (Broomall 86), *g e*, *Bloom 10 x 5*, *Bush 3½ ft.* We believe this to be the most spectacular yellow exhibition dahlia yet introduced. It is a clear picric yellow with deep, massive flowers of most artistic formation held on strong, erect stems. Foliage is glossy green, having somewhat the appearance of holly.

Tubers, \$7.50; Plants, \$3.75

BARBARA WEAR (Seal 83), *c g e*, *Bloom 8 x 4*, *Bush 5½ ft.* A rather unique dahlia of artistic formation and good size. Color, soft violet rose with creamy white undershadows. Stems are long and erect. Bushes strong, healthy.

Tubers, \$7.50; Plants, \$3.75



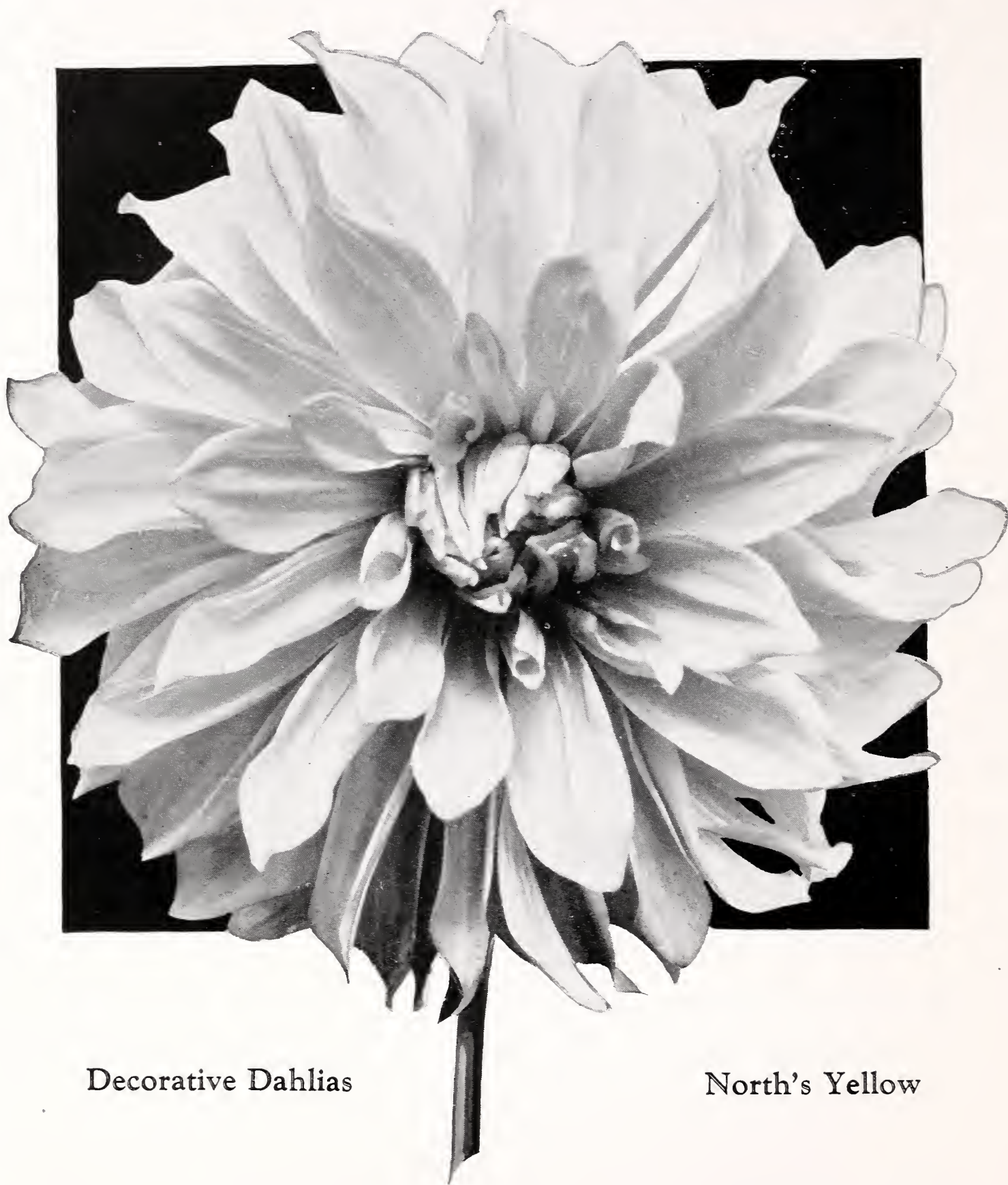
DECORATIVE DAHLIAS—Continued

- CHAS. STRATTON** (Stratton 83), *g e*, *Bloom 9 x 4½*, *Bush 6½ ft.* A blue ribbon winner in the largest bloom class. Flowers massive, keeping well when cut. Blooms early and profusely on strong stems. Color, pale gold shaded and tipped rose red. **\$1.00**
- E. B. ROBERTS** (West 79), *g e*, *Bloom 7 x 4*, *Bush 5½ ft.* A striking autumn shade decorative with exceptional keeping qualities. Color, old rose at base of petals, overlaid apricot. A free bloomer on perfect stems. **\$1.00**
- FORDHOOK VICTORY** (Burpee 80), *g*, *Bloom 8 x 4*, *Bush 4 ft.* Blooms are large and graceful with full centers. Color, silvery Tyrian rose. Bush growth good with heavy foliage. Stems fair. **Tubers, \$2.50; Plants, \$1.25**
- JERSEY'S IDEAL** (Waite 83), *g e*, *Bloom 9 x 5*, *Bush 3½ ft.* We consider this one of the best of the Jerseys. The flowers are held erect on strong stems. Leaves inclined to yellow in hot weather, but do well when dahlia weather comes on. Color varies between a lavender and Phlox pink overlaid with a decided silver sheen. **Tubers, \$2.50; Plants, \$1.25**
- JERSEY'S SOVEREIGN** (Waite 80), *g e*, *Bloom 7½ x 4*, *Bush 6 ft.* A dahlia worthy of anyone's growing. A good grower, early bloomer, of pleasing shade of salmon orange. **\$1.00**
- JIM GEORGE** (Murphy 78), *g e*, *Bloom 8 x 3½*, *Bush 5½ ft.* One of those different rich, velvety dark red dahlias with enough twist in the petals to make it artistic. Blooms freely well above the foliage. **Tubers, \$2.50; Plants, \$1.25**
- KEMP'S VIOLET WONDER** (Kemp 85), *g e*, *Bloom 10 x 5*, *Bush 5 ft.* The predominating color of this fine dahlia is Naphthaline violet, with an undertone of royal purple, lightening to a faint bluish violet at the tips of petals. Deep flowers of perfect form. Stems are stiff, holding flowers a foot above the foliage. A truly outstanding variety, keeping well when cut. Plant is a prolific bloomer, strong grower, not susceptible to sucking insects. D. S. of N. J. Cert. A. D. S. Gold Medal Ribbon. **Tubers, \$10.00; Plants, \$5.00**
- NOTTINGHAM BEAUTY** (80), *g e*, *Bloom 8 x 3*, *Bush 7 ft.* A strong, vigorous grower. Color, true purple with white tips. Flowers of good form, size and very showy. **Tubers, \$5.00; Plants, \$2.50**
- OUR COUNTRY** (Stillman 75), *g*, *Bloom 8 x 3½*, *Bush 5½ ft.* This deep, full-centred decorative is purplish red, tipped white. Stem semi-rigid but not erect, but even with this fault its coloring makes it popular. **\$1.00**
- POP STEWART** (F. & M. 84), *g e*, *Bloom 8 x 3*, *Bush 4½ ft.* A very satisfactory dahlia, blooming early and late, on strong stems. A good grower, although not tall. Color, pure lilac pink and one of the best in this color. D. S. of N. J. Cert. **Tubers, \$1.50; Plants, \$1.00**
- SANHICAN'S BLUEBIRD** (F. & M. 80), *g e*, *Bloom 7½ x 3½*, *Bush 4½ ft.* A pleasing near to blue decorative with outer petals of bright violet blue, while the center petals retain the violet tint. An attractive flower on wiry stems. **Tubers, \$2.00; Plants, \$1.00**
- SANHICAN'S MAGNATE** (F. & M. 80), *g e*, *Bloom 9 x 4*, *Bush 3 ft.* A splendid exhibition decorative of a pale amaranth pink, face of petals tinged with a deeper shade and the reverse of petals a solid claret color heavily veined. One of the "big fellows" on a dwarf bush. D. S. of N. J. Cert. **Tubers, \$2.50; Plants, \$1.25**
- SUSAN G. TEVIS** (Boston 80), *g e*, *Bloom 8 x 3½*, *Bush 5 ft.* This variety trends to the blue tones, but is a bright, rich lilac with blush sheen. A vigorous grower, producing large, perfect blooms on fine stems through the season. **Tubers, \$1.50; Plants, \$1.00**
- THE LEMONADE** (Ward 80), *g e*, *Bloom 9 x 4*, *Bush 6 ft.* Although we have a number of yellows, this dahlia is becoming very popular because of its beauty, size, erect stems, good habit of growth and wonderful keeping qualities. Color, clear sulphur yellow. **Tubers, \$3.50; Plants, \$1.75**
- WORLD'S BEST WHITE** (Murphy 84), *c g e*, *Bloom 9 x 3½*, *Bush 5½ ft.* Although grown for a few years, this dahlia is still our best all-around commercial white and equally good for exhibition or the garden. The immense creamy white blooms are borne profusely on stiff stems. **Tubers, \$1.50; Plants, \$1.00**

ALL THE ABOVE VARIETIES ARE THE SAME FORM AS ILLUSTRATION



DAHLIADEL NURSERIES



Decorative Dahlias

North's Yellow

NORTH'S YELLOW (Peacock-Dahliadel 86), *c g e*, *Bloom 10 x 4*, *Bush 6 ft.* This fine new 1929 introduction cannot help being a real favorite. It was in full bloom during August heat and seemed to like it, continued until frost and still had good-sized, full-centred blooms in quantities on long, slender yet strong stems. We can recommend it both South and North as a good grower. Flowers face nicely and form is good throughout the season. Color, a clear sulphur yellow without any shadings. **Tubers, \$10.00; Plants, \$5.00**

COMSTOCK (Boston 76), *g*, *Bloom 7 x 3*, *Bush 5½ ft.* An immense yellow flower of great substance. Petals slightly fluted. A very satisfactory garden variety. **.50**



- CITY OF LAWRENCE** (Reed 75), *g*, *Bloom* 8½ x 4, *Bush* 5½ ft. A strong, growing variety, giving a lot of color in your garden. Flowers very large and deep, with full centres. Color, canary yellow. Stem fair. **\$1.00**
- COURONNE D'OR** (Holland 80), *c g*, *Bloom* 7 x 4½, *Bush* 6 ft. A dahlia that takes us back to Insulinde, for bush growth, stem and foliage are similar, even to color, which is rich golden apricot with reverse of petals rosy carmine, reflected through the flowers. A good keeper for cutting. **Tubers, \$2.50; Plants, \$1.25**
- EVA COLE** (Murphy 79), *g e*, *Bloom* 10 x 4, *Bush* 6 ft. The popular combination of red and gold. Exhibition flowers are large and artistic. Stem fair. **Tubers, \$2.50; Plants, \$1.25**
- FLAMING METEOR** (Baker 85), *g e*, *Bloom* 8 x 3, *Bush* 5 ft. This new dahlia is decidedly attractive owing to its unique form, bright color and good keeping qualities. The flowers have full centres and are borne in profusion on stiff, wiry stems. Color, deep cadmium yellow with heavy scarlet suffusion at the centre, the general effect being a flaming orange. **Tubers, \$3.00; Plants, \$1.50**
- FORDHOOK GOLD CREST** (Burpee 80), *g*, *Bloom* 8 x 4, *Bush* 4½ ft. A spectacular autumn tint, combining shades of yellow, salmon pink and rose. Flowers are held erect above all the foliage. A fine garden variety. D. S. of N. J. Cert. **Tubers, \$3.50; Plants, \$1.75**
- GRACE JOCELYN** (Kemp 80), *g e*, *Bloom* 9 x 4, *Bush* 6 ft. This seedling of Mordella is an exquisite tone of Begonia rose and reddish salmon. Full-centred flowers with good stems. A healthy grower and prolific bloomer. **Tubers, \$7.50; Plants, \$3.75**
- INSULINDE** (Kriest 79), *g e*, *Bloom* 8 x 3½, *Bush* 6 ft. An artistic dahlia of distinct form, with petals curled and twisted. Flowers mostly facing upward on long, strong stems. Color, a rich saffron yellow shaded russet orange. **.75**
- JACK O'LANTERN** (Reed 80), *g e*, *Bloom* 9 x 3, *Bush* 5½ ft. A bright spot in the garden. Petals are wide and twisted, of a brilliant orange-red, shading to a dark Spanish red near the centre. The petals that form the centre are tipped with gold, making the general effect very bold and brilliant. A good grower and bloomer. **Tubers, \$5.00; Plants, \$2.50**
- MARMION** (Tyler 85), *g e*, *Bloom* 11 x 4, *Bush* 6 ft. A giant dahlia of lovely coloring. Pure golden yellow with a bronze centre, and reverse of petals reveals a bronze suffusion. The blooms are held on good stems well above the foliage of the sturdy, strong-growing plant. Good exhibition variety. **Tubers, \$3.50; Plants, \$1.75**
- MYRA VALENTINE** (Mills 79), *g e*, *Bloom* 7½ x 3, *Bush* 7 ft. A good, free blooming dahlia on long, straight stems. Color, golden bronze. Centres are full and blooms keep well when cut. **.75**
- OLIVE REED** (Seal 79), *g e*, *Bloom* 7 x 4, *Bush* 5 ft. There are quite a few good yellows of recent introduction, but this is a good, bright yellow with deep petals. Flowers are large and full on good stems. **Tubers, \$2.50; Plants, \$1.25**
- PRIDE OF STRATFORD** (M. & S. 76), *g e*, *Bloom* 9 x 4, *Bush* 5 ft. A fine, large dahlia inclined to be a little bashful, the bloom tipping somewhat at the neck. Form is very good, centres full and color cadmium orange shaded light orange yellow at base of petals, reverse rose doree. **Tubers, \$2.50; Plants, \$1.25**
- ROOKWOOD** (Boston 78), *g e*, *Bloom* 8 x 3, *Bush* 4½ ft. Pure, bright cerise rose without any suggestion of magenta. Immense flowers of good depth held aloft on splendid straight stems. A free and early bloomer. **\$1.00**
- SHUDOWS LAVENDER** (Boston 78), *g e*, *Bloom* 9 x 5, *Bush* 6 ft. Silvery lavender with white shadings of beautiful formation. Plants are tall, stems long and foliage fernlike. Not the easiest dahlia to grow, but a long way from impossible. **\$1.00**
- WIZARD OF OZ** (Doolittle 78), *g*, *Bloom* 9 x 3, *Bush* 6 ft. A pleasing shade of glowing amber pink, shaded salmon. Has good stems by disbudding. **Tubers, \$1.50; Plants, \$1.00**

ALL THE ABOVE VARIETIES ARE THE SAME FORM AS ILLUSTRATION

Don't use nitrate of soda as a fertilizer. Don't try to grow exhibition blooms by forcing the life out of your stock with sheep or any other manure, without balancing your plant food with phosphoric acid and potash.



Hybrid Decorative Dahlias

Waldheim Sunshine

WALDHEIM SUNSHINE (Peacock 85), *c g e*, *Bloom* 10 x 4½, *Bush* 5½ ft. This giant yet graceful dahlia is one of the best. A true deep yellow that will show up yellow under artificial light. The reflex is darker, and there is a rich golden suffusion around the beautiful full, high centre. The bush growth is good, stems are strong and erect. It is a sturdy grower and free bloomer. The centres were perfectly full when killed by frost. Illustrated on inside back cover.

Tubers, \$15.00; Plants, \$7.50

ALTAMONT (Kemp 79), *g e*, *Bloom* 10 x 4, *Bush* 7 ft. Large, full flowers with long, slightly curved petals of artistic formation. Stems are long and slender but rigid. Flowers are good keepers and different enough to appeal to you. Color, rose pink, deepening to American Beauty rose at the centre of the flower.

Tubers, \$3.50; Plants, \$1.75



HYBRID-DECORATIVE DAHLIAS—Continued

- AUGUSTINUS** (Ballego 78), *g*, *Bloom* 7 x 3½, *Bush* 5½ ft. Large flowers with long petals, which are more or less twisted. Color is a rosy salmon overlaid with bright metallic lilac. A very satisfactory dahlia. Vigorous grower. .75
- CHARLOTTE LAFRENZ** (Seal 84), *c g e*, *Bloom* 10 x 3½, *Bush* 6 ft. The petals are long, partially fluted and then twisted, which gives the flower an unusual form. Color, gold with rose red and apricot shadings. Flowers are held high on long stems, bush a strong grower. Tubers, \$7.50; Plants, \$3.75
- ELBERON BEAUTY** (F. & M. 79), *c g e*, *Bloom* 7½ x 3, *Bush* 6 ft. As its name indicates, a beauty. Large exhibition flowers of soft apricot, shading to a slightly darker tone towards centre, borne profusely and held erect on long, rigid stems, making it an ideal flower. .75
- EL GRANADA** (Boston 80), *g e*, *Bloom* 8 x 3, *Bush* 4½ ft. A beautiful, vivid orange dahlia with creamy white tips. Petals twist and interlace, giving it a very artistic form. Long stems hold the flowers well out of the foliage. Not an exceptionally early bloomer, but cannot be classed as late. A very attractive dahlia. Tubers, \$1.50; Plants, \$1.00
- GOLDEN JUBILEE** (McWhirter 78), *g e*, *Bloom* 8 x 5, *Bush* 4 ft. A delightful large golden orange dahlia with good strong stem. Dwarf but very vigorous plant. A free bloomer. Side laterals make good stems when disbudded. \$2.00
- JERSEY'S EMPRESS** (Waite 82), *g*, *Bloom* 9 x 3½, *Bush* 5½ ft. A large anthracene violet dahlia of pleasing formation, having narrow and wavy petals. Good depth and substance. Color is almost sunproof. Stems fair. Tubers, \$2.50; Plants, \$1.25
- JUDGE SHINN** (Kemp 83), *g e*, *Bloom* 8 x 3½, *Bush* 7 ft. Color, a pleasing combination of gold and salmon, gold predominating at the centre and salmon in the outer petals. This dahlia was named for the Hon. C. C. Shinn, an ardent dahlia fan, of Atlantic City. It is fine for background planting, as it is a tall, vigorous grower. Tubers, \$10.00; Plants, \$5.00
- MRS. GEO. W. ELKINS, JR.** (Root 75), *g e*, *Bloom* 8 x 3½, *Bush* 4 ft. The flowers are large and deep, with full centres, borne on good stems. It is a free and open grower. The color is beautiful old gold, suffused with salmon pink with a faint reflex of rosy pink. \$1.00
- MRS. JAS. A. BABBITT** (Root 82), *c g*, *Bloom* 9 x 3½, *Bush* 5½ ft. Flowers of immense size with incurved petals. Color, deep yellow with reverse of petals overlaid with crimson. A dahlia with many friends. .75
- PAPILLON** (Boston 79), *g e*, *Bloom* 8 x 3½, *Bush* 5½ ft. Described as an improved George Walters, which it resembles, although quite different in coloring. Beautiful old rose illuminated with golden lights. \$1.00
- PAUL MICHAEL** (Michael 75), *g*, *Bloom* 8½ x 2½, *Bush* 4½ ft. A large, showy dahlia. Petals curled and twisted. Color, deep buttercup yellow shaded with old rose. A free, early bloomer, making it an ideal garden dahlia. Stems fairly good. .75
- RODMAN WANAMAKER** (Peacock 82), *c g e*, *Bloom* 10 x 3, *Bush* 5½ ft. One of our strongest growing varieties, producing large flowers on long, strong stems. Buds are a pale yellow, but as the flower expands develop into a bronzy salmon pink. This variety has a real peony centre, which does not detract from its beauty. Tubers, \$1.50; Plants, \$1.00
- SANHICAN'S NYMPH** (F. & M. 84), *g e*, *Bloom* 8 x 4, *Bush* 5 ft. A dahlia suitable for exhibition. It is a deep flower with a very full centre. Color, a beautiful primrose yellow with a shade of fawn rose on the reverse of petals, the latter color showing up more clearly at the centre of the flower. Flowers face upward on strong stems. Tubers, \$7.50; Plants, \$3.75
- SANTA ANNA** (Pelicano 83), *g e*, *Bloom* 9 x 4, *Bush* 6 ft. This fine variety is of an artistic formation with petals curled and twisted, while the color is a beautiful salmon rose suffused with old gold. Plant is a good grower with large flowers held well above the foliage on good stems. Classified as a Hybrid Cactus in the West, but very similar to the accompanying illustration for us. Tubers, \$2.50; Plants, \$1.25
- THE GRIZZLY** (Burns 79), *g e*, *Bloom* 8 x 3½, *Bush* 6 ft. One of the popular dark red decoratives. Tall-growing exhibition variety and a prize winner with long reflex petals. Color, velvety crimson maroon. .75
- WONDERLAND** (Bissell 78), *g*, *Bloom* 10 x 3, *Bush* 6 ft. Flowers are of large exhibition type, deep, velvety garnet purple, reverse light rosy magenta. Petals are twisted and curled, making a two-toned effect. Tubers, \$2.50; Plants, \$1.25



DAHLIADEL NURSERIES



Hybrid-
Decorative
Dahlias

Jane Cowl

JANE COWL (Downs 90), *g e*, **Bloom** 10 x 6, **Bush** 5½ ft. This wonderful new dahlia has been a success wherever grown the past season and is one of the most talked of novelties. Color, a warm buff and old gold, blending to apricot and rose at the centre. Bush growth is ideal with strong stems holding the giant flowers upright. A dahlia that is sure to please you, for it is large and impressive. A. D. S. Cert.

Tubers, \$10.00; Plants, \$5.00

GALLI-CURCI (Hall 85), *g e*, **Bloom** 10 x 5, **Bush** 3½ ft. This beautiful dahlia was selected from the seedling class by Mme. Galli-Curci at the Dahlia Society of New Jersey Show in Atlantic City. A flower of extreme grace and charm. A bright salmon orange with a brilliant luster and golden suffusion. Although this dahlia is a dwarf grower, it has fine stems.

Tubers, \$10.00; Plants, \$5.00

SANHICAN'S PEACH (F. & M. 80), *g e*, **Bloom** 8½ x 4, **Bush** 4½ ft. A charming, fluffy decorative. In color it is a reddish salmon with buttercup shadings, reminding one of a ripe California peach. Its attractiveness is further enhanced by the oddly twisted petals. Rich dark green foliage, upright stems and good habit of growth.

Tubers, \$5.00; Plants, \$2.50



Hybrid-Cactus
Dahlias

La Roda

LA RODA (Broomall 89), *c g e*, *Bloom 10 x 4*, *Bush 5 ft.* This beautiful new variety is an unusual silver rose pink with large, well-formed flowers held erect on strong stems. The formation is somewhat irregular, with numerous petals at the centre. Listed as a Hybrid Decorative by the originator, but a wonderful Hybrid Cactus for us. A good keeper for cutting. It is a shy tuber maker either from tubers or green plants.

Tubers, \$10.00; Plants, \$5.00

MY MARYLAND (Downs 83), *c g e*, *Bloom 8 x 4*, *Bush 5 ft.* This graceful, broad-petaled dahlia is a rich bright pink, each petal tipped with ivory. Flowers are large on strong stems. This dahlia reminds one of a glorified Attraction with more pink in its make-up, larger and with a better centre. A. D. S. Cert.

Tubers, \$10.00; Plants, \$5.00



Hybrid-Cactus Dahlias

Dainty Maid

DAINTY MAID (Kemp 85), *c g*, *Bloom 6 x 4*, *Bush 5½ ft.* This is the dahlia for those desiring beauty and grace, and not size. It is an early and profuse bloomer on upright bushes. Color, light sulphur yellow, a little deeper than Break O'Day. Blooms and stems are perfect. Its wonderful keeping qualities make it an ideal cut flower. **Tubers, \$2.00; Plants, \$1.00**

BREAK O'DAY (Dahliadel 76), *g*, *Bloom 7 x 4*, *Bush 6 ft.* A popular standard variety. The color is a delicate clear sulphur yellow, shading to sulphur white at tips, illuminated by a satiny sheen, giving the flower a waxy appearance. A. D. S. Cert. A strong grower and profuse bloomer. **.50**

CIGARETTE (Boston 81), *c g*, *Bloom 7 x 4*, *Bush 6½ ft.* Creamy white, heavily edged orange with color variations. Some flowers come all orange red. Petals are long and narrow, inclined to roll. Blooms large, of good substance on excellent stems. Good for cutting. **.75**

EAGLE ROCK BEAUTY (Broomall 84), *g e*, *Bloom 9 x 3½*, *Bush 5 ft.* This fine, impressive dahlia certainly is a pretty combination of pastel pink with ivory or creamy white centre. Petals long and gracefully twisted. A pleasing and satisfactory variety. **Tubers, \$5.00; Plants, \$2.50**

SUNSET GLOW (Peacock 75), *c g*, *Bloom 6 x 3*, *Bush 4½ ft.* A profuse bloomer, holds a full centre and has good growing habits. One of the pleasing autumn shades, yellow at base or petals, suffused scarlet and tipped yellow. A good late summer cut flower. **.50**

CUT WORMS are easily controlled by scattering about a teaspoonful of poison bran bait around the plant (but not touching it) as soon as plants are set or shoots appear from tubers. The early evening is the best time to apply it.

2 tablespoonfuls of molasses or brown sugar.

1 level teaspoonful paris green mixed in.

Juice of an orange or equivalent in water.

1 quart of bran or enough to make a reasonably dry mash.



Hybrid Cactus Dahlias

Emma Marie

EMMA MARIE (Dahliadel 83), *c g e*, *Bloom* 7½ x 3, *Bush* 6 ft. A favorite because of its pleasing shade of clear pink with a creamy white centre and its combination of exhibition and commercial qualities. It is a robust grower, producing deep, full-centred blooms on three to four foot stems in ordinary field culture. **Tubers, \$1.00; Plants, .50**

ELSIE DANIELS (M. & S. 83), *g e*, *Bloom* 9 x 4, *Bush* 4½ ft. The color of this wonderful dahlia is pale violet orchid with long, wavy white centre petals. Bushes grow well with immense exhibition blooms held well out of the foliage on strong stems. **\$1.00**

FORDHOOK CHEVALIER (Burpee 78), *g e*, *Bloom* 8 x 3, *Bush* 6 ft. A greatly admired variety. Color, lemon yellow with heavy orange buff shadings. Blooms profusely; well-formed blossoms on strong bushes. **Tubers, \$2.50; Plants, \$1.25**

GRISSETTE (Boston 77), *g*, *Bloom* 8 x 4, *Bush* 5 ft. Large flowers are of great depth and good formation, composed of numerous closely rolled petals. Color, old gold, heavily flushed pink. **\$1.00**

HARRY SHELDON, JR. (Murphy 76), *g e*, *Bloom* 9 x 4, *Bush* 4½ ft. Although a massive decorative for exhibition, it is attractive with its wavy petals and delicate coloring, passing from white at centre to shell pink on outer petals. **\$1.50**

JERSEY'S SWEETHEART (Waite 82), *c g*, *Bloom* 7 x 3½, *Bush* 3½ ft. A dainty, attractive variety for cutting. Delice pink, shading to white in the centre. Flowers produced in great quantities on slender, stiff stems. **Tubers, \$1.50; Plants, \$1.00**

SOLE MIO (Pelicano 78), *g e*, *Bloom* 9 x 4, *Bush* 3½ ft. A bright spot in your garden. Color, deep yellow suffused apricot. Flowers are of good substance and held well on excellent stems. Not thrip-proof. **Tubers, \$2.00; Plants, \$1.00**

SUN MAID (Edymel 79), *g*, *Bloom* 9 x 3½, *Bush* 3½ ft. A glorious orange red and gold dahlia of unusual size and perfect form, giving you an abundance of deep blooms on long, stiff stems during the entire season. A prize winner in the West. **Tubers, \$2.50; Plants, \$1.25**

WASHINGTON CITY (Broomall 77), *g*, *Bloom* 8 x 3, *Bush* 5 ft. A fine, large, pure white. Petals are pointed somewhat, resembling a white star. Fine bush growth. **.35**



DAHLIADEL NURSERIES



Hybrid-Cactus
Dahlias

Edna Ferber

EDNA FERBER (F. & M. 89), *c g e*, Bloom 9 x 4, Bush 5 ft. The extreme size and beauty of this flower attract attention wherever shown. The petals are curled and twisted, forming an extremely full flower held erect on fine stems. Color, glistening coral, shading to old gold at base of petals. A good, strong grower with dark green foliage. D. S. of N. J. Cert.

Tubers, \$5.00; Plants, \$2.50

ALICE WHITTIER (Reed 82), *g e*, Bloom 10 x 5, Bush 7 ft. One of the largest and finest primrose yellow hybrid cactus dahlias for exhibition, on good stems. A. D. S. and The D. S. of N. J. Cert.

Tubers, \$3.00; Plants, \$1.50

DADDY BUTLER (Boston 80), *g e*, Bloom 7 x 4, Bush 6 ft. An early, profuse bloomer and good keeper on perfect stems. Color, rosy carmine, reverse of petals lighter. \$1.00



HYBRID-CACTUS DAHLIAS—Continued

FORT MONMOUTH (Kemp 90), *g e, Bloom 11 x 4, Bush 6½ ft.* This giant created much interest at the eastern shows the past season. The predominating color is a rich claret with brightness, unusual in darker tones. Flowers are full centred and well formed, borne on long, stiff stems high above the foliage. A very prolific grower and bloomer. One of the outstanding novelties of the year, winning in the largest bloom class at the Trenton Show.

Tubers, \$10.00; Plants, \$5.00

MARIPOSA (Boston 83), *c g e, Bloom 8 x 4, Bush 6 ft.* This popular flower is of great depth, perfect form, with incurved petals. A beautiful pink, shading darker at the centre with a violet suffusion, which adds to the effect. A sturdy grower and great favorite. .75

MRS. HENRY FOLEY (Murphy 83), *g e, Bloom 9 x 4, Bush 5 ft.* A rather unique color combination, the ground color being white shaded and suffused magenta. Flowers are large, of good form on long, erect stems. This is a free, early variety and decidedly different in coloring to any other.

Tubers, \$5.00; Plants, \$2.50

PAULINA (Hall 80), *g e, Bloom 8 x 3½, Bush 5½ ft.* This dahlia grows to exhibition size on long, strong stems. It is an early and abundant bloomer with full-centred flowers. Color is a light orange suffused with amaranth pink on the reverse.

Tubers, \$3.50; Plants, \$1.75

PRIDE OF MONMOUTH (Kemp 79), *g e, Bloom 8 x 4, Bush 6 ft.* This fine dahlia might best be described as an improved Ambassador. Color, a rich golden buff yellow, maize reverse. Stems erect, holding flowers well out of the foliage. A prolific and early bloomer. One of the best.

Tubers, \$5.00; Plants, \$2.50

SUNKISS (Yezek 82), *c g, Bloom 8 x 4, Bush 5½ ft.* A truly pastel combination of straw yellow with a heavy fawn suffusion on the outer edge, making it a universal favorite. A free and early bloomer on fine stems, making it very desirable for cutting. \$1.00

ALL THE ABOVE VARIETIES ARE THE SAME FORM AS ILLUSTRATION

STUNT. *In our twenty years with dahlias, we have dug and destroyed all unhealthy stock as soon as detected, and the results are most gratifying. This is properly called roguing. As there are a number of causes for stunt, it is hard to tell the exact cause. However, we do know that roguing is the only practical way of eradication, and believe some of the causes of stunt may be attributed to one or more of the following conditions:*

First: From lowered vitality as a result of poor culture, lack of cultivation, etc.

Second: The ravages of attacking insects, Thrips, Leaf-Hoppers, Stem Borers, etc.

Third: The rotting of the feed roots caused by too much water where drainage is poor, or water in the hollow part of the stem.

Regardless of cause, all stunt should be dug and destroyed. Our many years of this practice leaves us less than 1% to dig annually on most varieties.

Cut Flowers

Dahlias should be cut in the evening or early morning, removing the lower leaves and all of the buds if not disbudded. Immediately put in water in a cool, dark place to freshen.

Hot-Water Treatment—Cut and freshen as above, then put stems in 1 to 2 inches of water almost boiling for 1 to 2 minutes, then place in deep cold water to cool. Flowers are then ready to ship by packing in a strong corrugated box lined with tissue paper. Fasten stems down by nailing a wooden strip in the center of the box or by tying down through the bottom. Flowers packed snugly will carry better than when packed loose and allowed to batter.

Flowers when wilted can be freshened by cutting end of stem and placing in hot water as above. Repeat until flower is freshened.

The hot-water treatment will do wonders in making your exhibition blooms keep fresh after staging, but do not cut off the discolored end of stem unless you are again going to treat it.

The physical action of a cut flower is to take water up into the stem which evaporates through the flower and foliage. The slower this action of evaporation or transpiration takes place, the longer the life of the flower.



Cactus Dahlias

C. B. Githens

C. B. GITHENS (Peacock 80), *c g e*, *Bloom* 7 x 3½, *Bush* 5½ ft. One of the best clear yellow cactus dahlias we grow. Produces well-formed flowers of good substance and keeping qualities, on long, slender but stiff stems. Valuable for exhibition and as a commercial. .75

ADDA PATTERSON (Kemp 82), *c g e*, *Bloom* 8 x 4, *Bush* 6½ ft. We believe it to be the best pure white of its type. Flowers are large, of a splendid, even form, on long, erect stems. A wonderful exhibition variety on account of its keeping qualities, along with its size, stem and form. **Tubers, \$3.50; Plants, \$1.75**

CALIFORNIA BEAUTY (Broomall 81), *c g e*, *Bloom* 7 x 3½, *Bush* 4½ ft. A pure copper in color. We have found this variety to be one of the best keepers as a cut flower, and we have never had enough for the market. Bush growth and stem excellent. .50

ECLIPSE BEAUTY (Winzer 80), *g e*, *Bloom* 8 x 3, *Bush* 4½ ft. Bright vermilion with base of petals, reverse and tipping of primrose yellow. Petals are supplemented with a small petal of the same coloring, which twists, giving an unusual effect. Makes a nice bush and stems are good. **Tubers, \$1.50; Plants, \$1.00**

ELLA MAY (Prentice-Dahliadel 86), *g e*, *Bloom* 8 x 5, *Bush* 5 ft. We seldom find a pure cactus with a real good stem, but that is what we have in this dahlia. Flowers are large and deep, with full centres and a deep rich crimson carmine, dark and yet rich. Bush is a good open grower. A dahlia that is decidedly distinctive. **Tubers, \$5.00; Plants, \$2.50**

FORDHOOK CRAWFISH (Burpee 80), *c g e*, *Bloom* 7 x 3½, *Bush* 6 ft. This appealing, well-formed flower is a violet rose, shading lighter, with a white centre, keeping well when cut. Stems are long and stiff, bush growth healthy. A. D. S. Cert. **Tubers, \$3.00; Plants, \$1.50**



CACTUS DAHLIAS—Continued

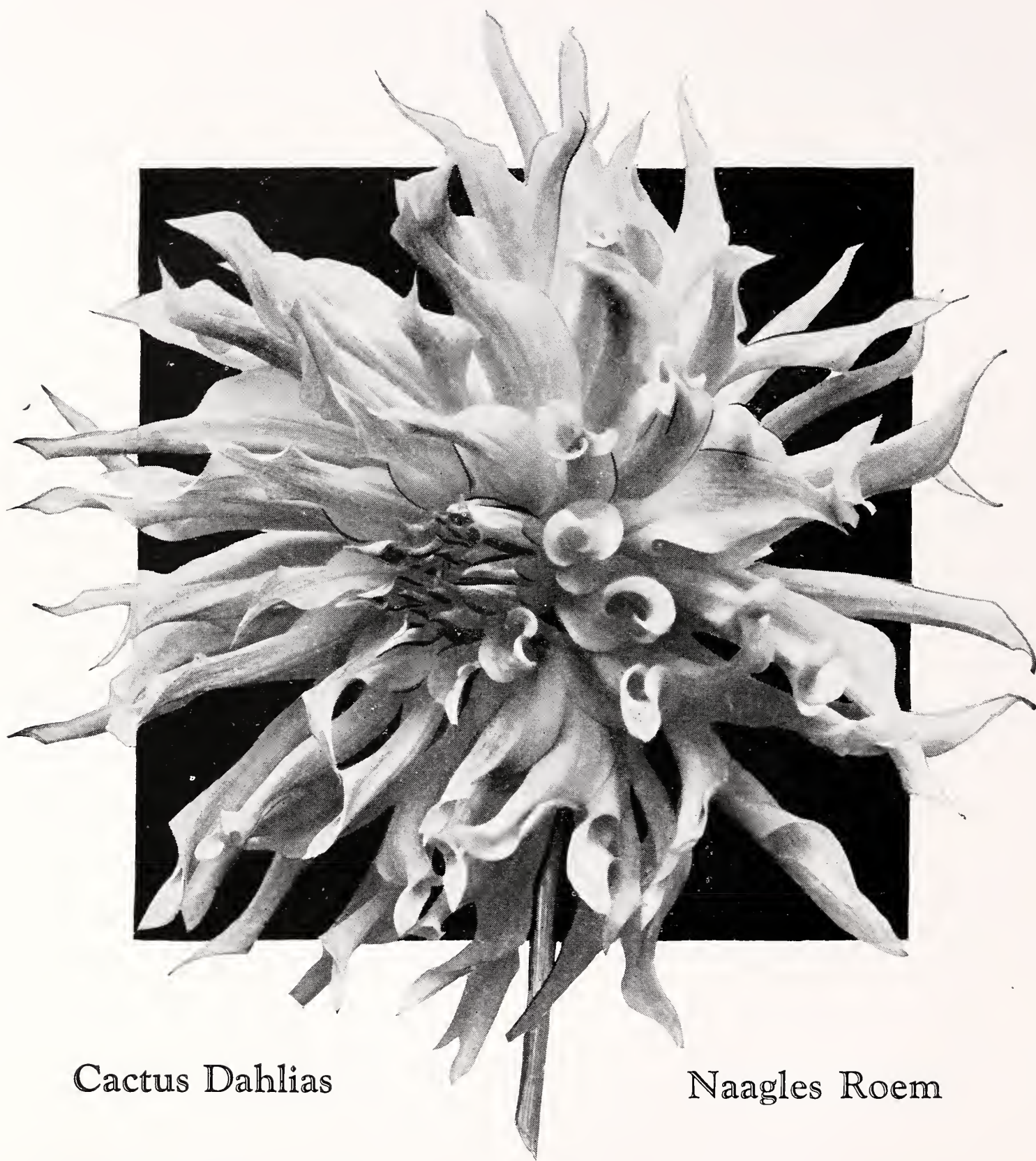
- FORDHOOK PEARL** (Burpee 80), *g e, Bloom 8 x 4, Bush 4½ ft.* This artistic hybrid cactus is an early, free and continuous bloomer, holding a full centre through the season. Outer petals are straight, while the centre petals twist gracefully. A clear primrose yellow, shading to a deep creamy white at the tips. Stems are long when disbudded. D. S. of N. J. Cert. Tubers, \$3.50; Plants, \$1.75
- FRANCIS LOBDELL** (Waite 80), *g e, Bloom 7 x 5, Bush 5 ft.* Flowers large and of perfect form, mallow pink, shading to white in the centre. Wonderful free and early bloomer, splendid bedding variety as well as exhibition. .75
- GLADYS BATES** (Boston 81), *c g e, Bloom 8 x 3½, Bush 4½ ft.* A huge cut flower of perfect form. Color, tan with rose reverse. A dahlia of real merit, especially in the early season. .75
- IAN** (Boston 82), *g e, Bloom 8 x 4, Bush 5½ ft.* A giant of the incurved English form, but with heavier petals of unusual coloring and exceptionally good form. Color, very clear yellow, gradually shading to pink on the outer petals, while reverse of these petals reveals a golden suffusion. Flowers occasionally show a white tipping. Blooms freely on good stems, making it very desirable for cutting and exhibiting. Tubers, \$3.00; Plants, \$1.50
- JEAN CHAZOT** (Cayeux 79), *g, Bloom 7½ x 4, Bush 5½ ft.* Flowers of graceful formation. Color, orange suffused gold, frequently tipped golden yellow. The tall, branching bushes hold the large blooms gracefully on straight stems. .75
- KALIF** (G. & K. 83), *g e, Bloom 9 x 4, Bush 5 ft.* Color, rich strawberry red or carmine. The mammoth flowers are borne in great profusion. An old favorite and a good cut flower. Base of petals broader than illustration. .50
- MAHOGANY** (Murphy 80), *g e, Bloom 9 x 4, Bush 4½ ft.* A dark red American Cactus on a good, erect stem. Large flowers of good form with full centres. Dark velvety red with a lighter reverse. \$1.00
- MISS NEW YORK** (Badetty 79), *g e, Bloom 10 x 4, Bush 5 ft.* A striking exhibition hybrid cactus. Color, deep rose, showing roselane purple on the reverse of the artistically twisted petals. A good grower, producing large, full-centred blooms. \$1.50
- MME. ANNIE MARIE CHANTRE** (Rivoire 77), *c g, Bloom 7 x 3, Bush 5 ft.* A fine, large violet rose, petals long, straight and cleft. Bush of branching type, producing numerous blooms good for cutting. .50
- MOTHER** (Peacock 78), *c g, Bloom 5½ x 3, Bush 4½ ft.* A fine white on erect stems, which are well supplied with healthy green foliage. Bush sturdy. A continuous bloomer. \$1.00
- MRS. E. F. T. SMITH** (Broomall 74), *g, Bloom 9½ x 3, Bush 6 ft.* Immense flowers held well above the foliage on strong stems. Color, creamy white, shading to lemon tint at centre. Petals broader at the base than illustration. A strong grower. .50
- NIBELUNGENHORT** (G. & K. 76), *g, Bloom 7 x 2½, Bush 5 ft.* An old favorite violet rose suffused golden apricot. Very profuse, early and colorful. .50
- SISKIYOU** (Broomall 80), *g e, Bloom 10 x 3, Bush 3½ ft.* Here we have the dahlia that has won in the largest bloom class repeatedly, but on diameter, not considering depth. Flowers held erect on long, strong stems. Color, pink tinted mauve. Petals rather blunt and flat. Tubers, \$1.50; Plants, \$1.00

ALL THE ABOVE VARIETIES ARE THE SAME FORM AS ILLUSTRATION

DIGGING AND STORING. After the first black frost, cut off the tops at the ground and allow to stand a few days to bleed out. Then dig with a garden fork. Care should be exercised not to break the tuber necks. Cut the stalk back again to about 2 inches above the crown. Then by tapping on the cut stalk endwise with a light instrument, most of the dirt will free without injury to the necks of the tubers. Dry in the sun a few hours, and your clumps are ready to store. A root or white potato cellar is preferable with a temperature of about 40 degrees. In this they need no protection or covering. The average house cellar is too dry and hot, and in such conditions the clumps should be placed in the coolest part and packed upside down in a box in dry sand, ashes or preferably ground Peat Moss.

After the tubers are stored a month, it is well to look them over, trim out any portion showing rot and dip all the fresh cuts in equal parts of hydrated lime and flowers of sulphur, and pack them back again as before. Should the tubers show signs of shriveling, place dampened Peat Moss over the top of the box to prevent further drying.

Dahlia tubers air dried and so packed should keep well until spring with no further handling, providing they were grown properly, well ripened and not frosted.



Cactus Dahlias

Naagles Roem

NAAGLES ROEM (Naagles 85), *c g e*, *Bloom 7 x 4*, *Bush 5½ ft.* The most popular of Europe's recent introductions. A distinctive cactus of regular formation. Excellent stems and one of the best keeping dahlias when cut, as it just goes on growing in water. Color, buff yellow, tipped rose.

Tubers, \$2.00; Plants, \$1.00

EAGLE ROCK JEWEL (Broomall 83), *g e*, *Bloom 9 x 4*, *Bush 5½ ft.* This is truly a beautiful color combination of cream overlaid cameo pink. Flowers are large and borne on strong stems. Bush is healthy and upright. Centres full.

Tubers, \$10.00; Plants, \$5.00

JEAN HARE (F. & M. 80), *g e*, *Bloom 9 x 4½*, *Bush 4½ ft.* A very attractive autumn-shade dahlia on account of its size and beauty. Color, buff apricot, with the outer petals of a golden bronze. Stems upright and perfectly stiff. Bush rather compact, but a free bloomer.

Tubers, \$7.50; Plants, \$3.75



Cactus Dahlias

Ambassador

- AMBASSADOR** (Broomall 85), *c g e*, *Bloom 8 x 4*, *Bush 5 ft.* This fine flower is very popular at the dahlia shows. Color, soft yellow buff, shaded salmon pink. Well-formed flowers, held erect above the foliage. Bushes branch readily and produce a multitude of flowers. **.75**
- ANDREAS HOFFER** (Holland 80), *c g*, *Bloom 6 x 3*, *Bush 4½ ft.* Ideal form with narrow petals of a delicate pink with salmon suffusion, passing to a creamy white centre. A free bloomer on long, stiff, wiry stems. **Tubers, \$1.50; Plants, \$1.00**
- CRYSTAL** (Stredwick 75), *c g*, *Bloom 6 x 3*, *Bush 4½ ft.* Petals long and incurved; color, soft, silvery rose, shading to white at centre and tips. Stems pendant. Fine for florists' work when wired. **.35**
- MARGUERITE BOUCHON** (Cayeux 78), *c g*, *Bloom 5 x 3*, *Bush 5 ft.* A dainty cut flower, centre pure white, outer petals a brilliant yet soft violet rose with distinct white tipping. Stems typical of the English cactus, partially pendant. **.50**
- MARIAN BROOMALL** (Broomall 87), *g, e*, *Bloom 10 x 4½*, *Bush 5 ft.* A truly beautiful dahlia. Color, clear light lilac, shading lighter at tips with white centre. Bush growth and stems very good. A dahlia you will like. **Plants, \$2.00**
- MIRAFLORA** (Broomall 80), *g e*, *Bloom 10 x 4*, *Bush 4½ ft.* Although this dahlia, owing to its light, graceful formation, looks frail, it is a wonderful keeper when cut. Bush is rather dwarf, with stems long and erect. Color, white tinted violet pink. **Tubers, \$2; Plants, \$1**
- MRS. C. G. WYATT** (Keynes 79), *c g*, *Bloom 7 x 3*, *Bush 5 ft.* The best fine-quilled pure white cactus we have found for commercial use. Early, profuse and a continuous bloomer. **.50**
- MRS. EDNA SPENCER** (Spencer 79), *c g e*, *Bloom 7 x 3½*, *Bush 5½ ft.* This popular dahlia for shipping and keeping qualities is one of the very best. Flowers produced profusely on erect stems. Color, pale lilac, shading lighter at centre. **.50**
- SILVERADO** (Seal 83), *g e*, *Bloom 9 x 4*, *Bush 6 ft.* Immense blooms of white, gradually shading toward the centre to a delicate silvery lavender. The stems are extra long, but not always erect. The well-branched bushes are always covered with blooms. **Tubers, \$4; Plants, \$2**
- The dahlias in this group are commonly known as English Cactus. A characteristic of this type is a slender, wiry stem, not always holding the flower erect.



Cactus Dahlias

Sport

- F. W. FELLOWS** (Stredwick 80), *g e*, *Bloom* 8 x 3½, *Bush* 5½ ft. Still a favorite on the exhibition table. Flowers are of an ideal cactus form. Color, lively orange scarlet. .75
- BALLET GIRL** (Boston 78), *g e*, *Bloom* 8 x 3½, *Bush* 4½ ft. Beautiful flowers of immense size. Color, orange, tipped white. Some flowers pure orange, with other variations on same bush. Early and free bloomer. .75
- PIERROT** (Stredwick 74), *g*, *Bloom* 7 x 3, *Bush* 5 ft. This large dahlia is very striking with its deep amber petals, usually tipped white. Centres show green at times. .50
- SPORT** (Dahliadel 82), *g e*, *Bloom* 8 x 3½, *Bush* 5½ ft. As its name indicates, it is a sport of F. W. Fellows with all its merits, but a pleasing shade of deep buttercup yellow with buff shadings at centre. This variety has never reverted to its parent. A wonderful exhibition flower and a favorite in the garden. \$1.00



Peony Dahlias

Dahliadel Glory

DAHLIADEL GLORY (Dahliadel 82), *g e*, *Bloom 8 x 3*, *Bush 4½ ft.* This fine dahlia has a very artistic formation of broad, heavy petals, with a beautiful whirl centre, on long, erect stems. A wonderful color blending of scarlet tipped reddish apricot, giving a henna effect. .75

CANADA (Peacock 78), *g*, *Bloom 7 x 3*, *Bush 4½ ft.* One of the best and hardiest pure white peonies. Bush dwarf but produces an abundance of blooms on erect stems well above the foliage. .35

CITY OF PORTLAND (Chamberlain 80), *g e*, *Bloom 8 x 5*, *Bush 5½ ft.* The best and largest clear yellow peony dahlia we have found, producing exhibition blooms from early to late on erect stems. .75

DRUM MAJOR (Derre 82), *g e*, *Bloom 8 x 2½*, *Bush 4 ft.* A rich, fiery red with a lemon yellow centre and petals more or less tipped and marked yellow. A bright and showy variety in the garden. \$1.00

GEISHA (Hornsveld 70), *g*, *Bloom 7 x 3*, *Bush 5½ ft.* Buttercup yellow at base of petals, shading to scarlet and passing lighter at tips. Petals broad, loose and peculiarly twisted. .75

KING ALBERT (DuBois 78), *g*, *Bloom 7 x 2*, *Bush 5½ ft.* Large and graceful flowers of rich purple on good stems. Fern-type foliage. .50

MRS. FRANCES E. BULLARD (Broomall 83), *g e*, *Bloom 9 x 4*, *Bush 4½ ft.* This is the largest peony in our list. The petals are long, pointed and gracefully twisted, forming a very distinct flower of a clear silver or pastel pink, shading lighter at the centre. First blooms usually come with full centres. Free, early and profuse bloomer on strong stems.

Tubers, \$2.00; Plants, \$1.00



Show Dahlias

Jayseedee

JAYSEEDEE (Draude 86), *g e*, *Bloom* $4\frac{1}{2} \times 3\frac{1}{2}$, *Bush* $4\frac{1}{2}$ ft. A beautiful ball-shaped dahlia of soft reddish violet striped and speckled rich deep red. A perfect ball. Bush compact, but fine stems can be produced by disbudding. A winner on the exhibition table. **\$1.00**

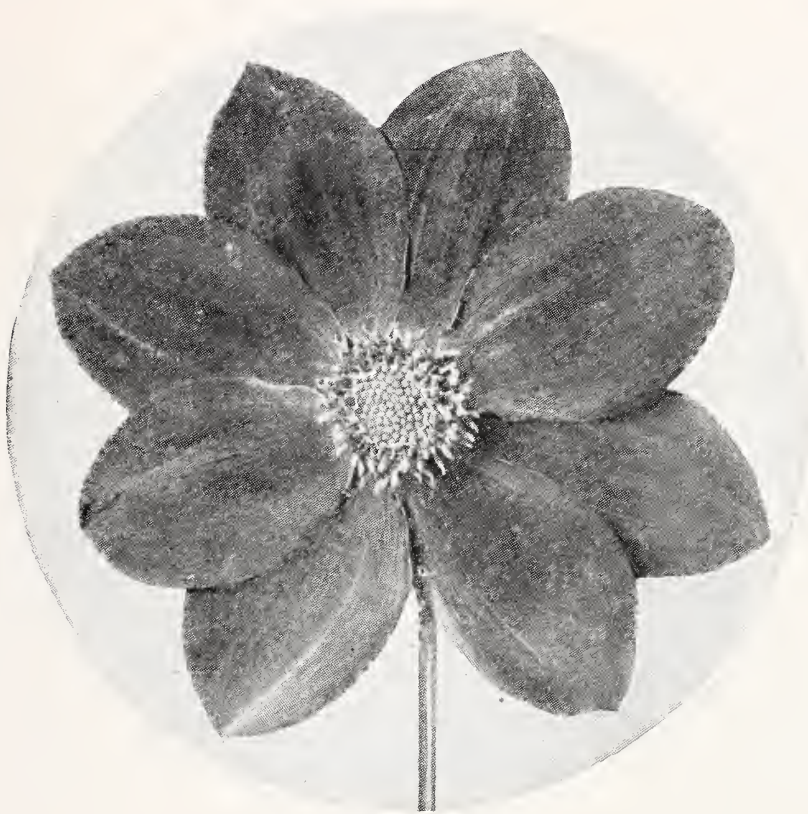
CARL OWEN (Dahliadel 85), *g e*, *Bloom* $5 \times 3\frac{1}{2}$, *Bush* 5 ft. The best red show we have found. Rich, non-fading carmine red. Flowers of perfect form on erect stems. Good with disbudding. **.75**

DRAUDE (Draude 79), *g e*, *Bloom* 5×4 , *Bush* $4\frac{1}{2}$ ft. The finest dark red ball dahlia of perfect form. Bush rather dwarf with nodes very close; requires disbudding to produce long stems. **.50**

DREER'S YELLOW (Dreer 78), *g*, *Bloom* 6×3 , *Bush* $5\frac{1}{2}$ ft. A beautiful rich deep sulphur yellow, bush a strong, healthy grower, blooms well above the foliage. **.50**

FLORENCE (Pfeiffer-Dahliadel 81), *g e*, *Bloom* 5×3 , *Bush* $4\frac{1}{2}$ ft. This variety is always a mass of blooms. Perfect form and good size. Color, a very pleasing shade of pale light lilac. **.50**

GOLD MEDAL (Keynes 87), *c g e*, *Bloom* $4\frac{1}{2} \times 3$, *Bush* $4\frac{1}{2}$ ft. (Improved Gold Medal.) Sunflower yellow tipped and suffused Oriental red; very striking and becoming more popular each year, both in the cut flower market and on the exhibition table. **.50**



Century or Single Dahlias

Varieties on this page are best suited for borders, or for color or mass plantings, as they are free early bloomers and need no pruning or disbudding.

AUTUMN CENTURY (Bassett 76), *g*, *Bloom* 4½, *Bush* 5 ft. A beautiful autumn tint, delicate madder lake, shading yellow at centre. .25

DAHLIADEL CENTURY (Dahliadel 80), *g*, *Bloom* 5, *Bush* 5 ft. It is all that can be asked for in a white single dahlia. Its size, form, habit of growth, productiveness and clear, pure white color put it far ahead of anything else. .25

ECKFORD CENTURY (Peacock 78), *g*, *Bloom* 5, *Bush* 6 ft. Large white, spotted pink, penciled crimson. An early, free bloomer on good stems. .25

NEWPORT WONDER (Robertson 84), *g*, *Bloom* 6, *Bush* 5½ ft. A very popular and artistic dahlia. Petals pointed and slightly twisted. Color, rose pink with a gold suffusion. \$1.00

TANGO (Dahliadel 79), *g*, *Bloom* 5½, *Bush* 6 ft. A lively autumn tint, cadmium yellow, shaded scarlet orange. .25

Anomone Dahlias

ADA FINCH (Wouters 83), *g*, *Bloom* 3½, *Bush* 2½ ft. A fine bedding or border dahlia, free, early and profuse. This creamy white flower differs from the Century type by having small quilled petals of the same color covering the entire centre. \$1.00

Collarette Dahlias

GEANT DE LYON (Vilmore 89), *g e*, *Bloom* 5, *Bush* 4 ft. Rich, velvety carmine maroon, with long, cream color petals. Free, early flowering on erect stems. The prettiest of all collarette dahlias. Plants, \$1.00

Dahlia Tubers That Will Winter

First, sidestep the varieties that are known to be poor root makers.

Second, plant only stock that has been properly grown without previous forcing.

Third, fertilize so that your plants will have a balanced ration, namely, nitrogen in manures, humus or bone meal; and phosphoric acid in acid phosphate or bone meal, and potash in wood ashes, sulphate, or muriate of potash.

Fourth, cultivation is worth more than watering for healthy plant growth. Water thoroughly only when necessary (not more than once a week in a dry spell), but cultivate once a week throughout the season, until the middle of September, then stop. This check will help materially in ripening the tubers.

Selected stock in either green plants or tubers properly fertilized, watered and cultivated will produce wonderful blooms, and the tubers will have every chance of wintering. A complete starch formation is essential for the proper wintering of a dahlia tuber, and the above suggestions are essential.



POMPON DAHLIAS

- AIMEE** (Boston 85), *c g e*, *Bloom* 1¼, *Bush* 2½ ft. A popular tiny orange cadmium shaded apricot, on long stems .50
- ATOM** (Edymel 88), *c g e*, *Bloom* 1¼, *Bush* 2 ft. One of the best early and profuse bloomers of perfect form. Color, fiery red. **Tubers, \$1.00; Plants, .50**
- BELLE OF SPRINGFIELD** (83), *c g e*, *Bloom* 1¼, *Bush* 2 ft. One of the smallest and most popular on the exhibition table. Soft red. .50
- BRONZE BEAUTY** (78), *c g*, *Bloom* 1¾, *Bush* 3 ft. Beautiful golden apricot; a free bloomer, good for cutting. .25
- CATHERINE** (75), *g*, *Bloom* 2½, *Bush* 4 ft. Clear canary yellow. An early and free bloomer, on good stems. .25
- DARKSOME** (Alexander 80), *g e*, *Bloom* 1¾, *Bush* 4½ ft. One of the best real dark red or maroon. .50
- DEE DEE** (Estes 85), *c g e*, *Bloom* 1¼, *Bush* 3½ ft. One of the daintiest and smallest. Pale lilac, fine for exhibition. .50
- DEW DROP** (West 80), *c g e*, *Bloom* 1½, *Bush* 3½ ft. White, tipped lavender. Stems good. .50
- ELFIN** (75), *c g*, *Bloom* 1¾, *Bush* 3½ ft. Light primrose yellow. A good grower and free bloomer. .35
- ELIZABETH** (82), *g e*, *Bloom* 1½, *Bush* 2½ ft. Lemon yellow, heavily tipped carmine. Fine form and good stems. .50
- EUREKA** (82), *g e*, *Bloom* 1¾, *Bush* 3 ft. Yellow cadmium with carmine shadings at tips with occasional white petals. Some flowers all-white. Can be rightly called variegated. .50
- GERTRUDE** (Salbach 85), *c g e*, *Bloom* 1½, *Bush* 3 ft. One of the brightest dahlias grown. Color, glowing carmine, of good form on good stems. **Tubers, \$1.00; Plants, .50**



POMPON DAHLIAS—Continued

- JESSICA** (Turner 80), *c g e*, *Bloom 1½, Bush 3 ft.* Yellow, tipped red. Very free and early bloomer with good stems. .50
- JOHNNY** (89), *g e*, *Bloom 1¼, Bush 3 ft.* The most perfect and smallest dark red or maroon dahlia grown. .50
- KLEINE DOMITEA** (78), *c g e*, *Bloom 1¾, Bush 3 ft.* Bright orange buff. A good grower and early bloomer. .35
- LITTLE BELLE** (78), *c g*, *Bloom 1½, Bush 4½ ft.* Very fine mauve pink with long and erect stems. .50
- LITTLE DAVID** (Twitchett 85), *c g e*, *Bloom 1¼, Bush 2 ft.* A small, perfectly formed russet orange pom. Free bloomer and fine for cutting and exhibiting. .50
- LITTLE EDITH** (90), *c g e*, *Bloom 1¼, Bush 2½ ft.* As perfect a pom as you can wish for. Color, primrose yellow, tipped bright carmine. .50
- MIDGET** (West 80), *c g e*, *Bloom 1½, Bush 3 ft.* Salmon suffused with violet. Good form. .50
- NEATNESS** (West 77), *g*, *Bloom 1¾, Bush 2 ft.* Light amber centre, shading to salmon pink. .50
- ROSEA** (Keynes 84), *c g e*, *Bloom 1¾, Bush 2½ ft.* Perfect form for exhibition. Rosy lavender. Small and distinctive. .50
- SNOWCLAD** (80), *c g e*, *Bloom 1½, Bush 3 ft.* One of the best all-around pure whites. Free, early bloomer. .25
- SUNNY DAYBREAK** (Keynes 87), *c g e*, *Bloom 1½, Bush 2½ ft.* Lemon yellow, heavily tipped cardinal. Flowers of good form. .50
- SUNSET** (Keynes 84), *c g e*, *Bloom 1¼, Bush 2½ ft.* Fine small exhibition variety, bright orange. Very popular. .50
- YELLOW GEM** (McWhirter 83), *c g e*, *Bloom 1½, Bush 3 ft.* Clear canary yellow, of fine form. .50

ALL THE ABOVE VARIETIES ARE THE SAME FORM AS ILLUSTRATION

DAHLIA GROWERS' SUPPLIES

DAHLIADEL PLANT FOOD—Made especially for dahlias, of the highest grade materials, for the production of fine flowers and strong tubers, and so blended to have a balanced food available as needed by the plant. Good also for all outdoor flowers and vegetables. A very economical fertilizer.

Directions: Spring application, 3 to 6 lbs. to each 100 square feet. August application, 3 to 4 lbs. This may be divided into three applications, but not over 10 lbs. to ten hills should be applied during a season.

Price, F. O. B. factory in Baltimore, 50 lbs., \$3.00; 100 lbs., \$5.50; 200 lbs., \$10.00; ton, \$90.00.

PYRETHROL—A non-poisonous Pyrethrum Insecticide, effective on all insect life, especially Japanese beetles, and not injurious to animals or plants. Will not burn or stain foliage or flowers. Directions for application sent with order. Postpaid, including the fourth zone, ½ lb., \$.60; 2 lbs., \$1.60; 10 lbs., \$6.35.

BRASS SPRAYER GUNS—Continuous spray, 1-quart size, suitable for spraying any insecticide. Postpaid, including the fourth zone, \$2.15.

PRUNING SHEARS—Made especially for root cutting. The double cutting blades are curved and pointed, making them the best type for dividing dahlia clumps. This is the shear we are using for all our dividing and trimming. Suitable for general pruning as well. Postpaid, \$4.00.

MODERN DAHLIA CULTURE—By W. H. Waite. Written to meet the needs of the novice and to interest the expert. 126 pages of clear type, well illustrated. Cloth binding. The best book to date. Postpaid, \$1.60.

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INDEX

You will find some of your old friends listed in the index without page or folio. In most cases these varieties are so well known, descriptions are omitted from the catalog.

We will have most of the Introductions for 1929 and will be glad to quote on your list, but we prefer to grow these varieties a year before cataloging them.

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30	Adda Patterson—HC.....	3.50	1.75	27	Elsie Daniels—HC.....	1.00
6	A. H. S. '23—D.....	2.50	1.25		Elsie Drexler—HC.....	.75
28	Alice Whittier—HC.....	3.00	1.50	12	Elsie Jane—D.....	2.00	1.00
	Al Koran—D.....	1.00	.....		Embassador—D.....	.50	.....
22	Altamont—D.....	3.50	1.75	27	Emma Marie—HC.....	1.00	.50
14	Amarillo Grande—HD.....	3.00	1.50		Etendard de Lyon—C.....	.35	.....
33	Ambassador—C.....	.75	.....	21	Eva Cole—HD.....	2.50	1.25
5	Amun Ra—D.....	.75	.....	5	Faith Garibaldi—D.....	1.50	1.00
33	Andreas Hoffer—C.....	1.50	1.00	15	F. A. Kent—D.....	1.00	.....
14	Anna Marie—D.....	5.00	2.50	21	Flaming Meteor—D.....	3.00	1.50
	Audrey Davenport—HC.....	1.00	36	Florence—S.....	.50
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37	Autumn Century—.....	.25	30	Fordhook Crawfish—C.....	3.00	1.50
	Azalea—D.....	.50	5	Fordhook Erecta—D.....	2.50	1.25
18	Aztec Glory—HD.....	7.50	3.75	21	Fordhook Goldcrest—D.....	3.50	1.75
34	Ballet Girl—C.....	.75	.....	31	Fordhook Pearl—HC.....	3.50	1.75
18	Barbara Wear—D.....	7.50	3.75	19	Fordhook Victory—D.....	2.50	1.25
16	Bashful Giant—D.....	.50	.....	29	Fort Monmouth—HC.....	10.00	5.00
	Beatrice Slocombe—D.....	.50	7	Fort Washington—D.....	4.00	2.00
	Beau Ideal—D.....	7.50	3.75	31	Francis Lobdell—HC.....	.75
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	Bonnie Brae—D.....	.50	5	F. T. D.—D.....	4.00	2.00
26	Break O'Day—HC.....	.50	34	F. W. Fellows—C.....	.75
5	Breeze Lawn—D.....	.50	24	Galli-Curci—HD.....	10.00	5.00
30	California Beauty—C.....	.50	.....		Garden Glow—HC.....	1.50	.....
	California Enchantress—C.....	.50	37	Geant de Lyon—Col.....	1.00
35	Canada—P.....	.35	35	Geisha—P.....	.75
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6	Casper G. Ware—D.....	2.00	1.00	31	Gladys Bates—C.....	.75
30	C. B. Githens—HC.....	.75	12	Glory of Argonne—D.....	.50
8	Champagne—D.....	1.00	8	Glory of Monmouth—D.....	3.50	1.75
23	Charlotte Lafrenz—D.....	7.50	3.75	36	Gold Medal—S.....	.50
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19	Chas. Stratton—HD.....	1.00	23	Golden Jubilee—D.....	2.00
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26	Cigarette—HC.....	.75	21	Grace Jocelyn—D.....	7.50	3.75
21	City of Lawrence—HD.....	1.00	3	Grace Ricords—D.....	7.50
35	City of Portland—P.....	.75	.....	15	Grandola—D.....	3.50	1.25
42	City of Trenton—D.....	7.50	3.75	27	Grisette—HC.....	1.00	.....
	Col. Chas. A. Lindbergh—HC.....	7.50	3.75	10	Halvella—D.....	.75	.....
15	Color Sergeant—D.....	7.50	3.75	8	Harry Mayer—D.....	5.00	2.50
20	Comstock—HD.....	.50	.....	27	Harry Sheldon, Jr.—HD.....	1.50	.....
	Countess of Lonsdale—C.....	.35	.....	15	Hathor—D.....	3.00	1.50
21	Couronne d'Or—D.....	2.50	1.25		His Majesty—HD.....	1.00	.....
33	Crystal—C.....	.35	.....		Hyperion—D.....	5.00	2.50
28	Daddy Butler—HC.....	1.00	.....	31	Ian—C.....	3.00	1.50
37	Dahliadel Century—.....	.25	.....	7	Ida Perkins—D.....	7.50	3.75
35	Dahliadel Glory—P.....	.75	.....	21	Insulinde—HD.....	.75	.....
26	Dainty Maid—HC.....	2.00	1.00	15	Islam Patrol—D.....	1.50	1.00
13	Delice—D.....	.35	.....	21	Jack O'Lantern—D.....	5.00	2.50
12	D. M. Moore—D.....	.35	24	Jane Cowl—HD.....	10.00	5.00
	Dorothy Robbins—D.....	.35	8	Jane Hall—D.....	.75
36	Draude—S.....	.50		Jayseedee—S.....	1.00
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36	Dreer's Yellow—S.....	.50	32	Jean Hare—HC.....	7.50	3.75
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35	Drum Major—P.....	1.00	16	Jersey's Beacon—D.....	1.50	1.00
26	Eagle Rock Beauty—HD.....	5.00	2.50	10	Jersey's Beauty—D.....	.75	.50
32	Eagle Rock Jewel—HC.....	10.00	5.00	10	Jersey's Daybreak—D.....	5.00	2.50
	Eagle Rock Sunshine—C.....	3.00	1.50	23	Jersey's Empress—D.....	2.50	1.25
15	Earle Williams—D.....	1.00	.....	15	Jersey's Fiancee—D.....	2.50	1.25
16	Eastern Star—D.....	2.00	1.00	10	Jersey's Gem—D.....	.75	.50
19	E. B. Roberts—D.....	1.00	.....	19	Jersey's Ideal—D.....	2.50	1.25
37	Eckford Century—.....	.25	.....	19	Jersey's Sovereign—D.....	1.00	.....
30	Eclipse Beauty—C.....	1.50	1.00	27	Jersey's Sweetheart—HC.....	1.50	1.00
28	Edna Ferber—HC.....	5.00	2.50		Jhr. G. F. Van Tets—HC.....	.50	.....
23	Elberon Beauty—HD.....	.75	.....	19	Jim George—D.....	2.50	1.25
17	El Dorado—D.....	1.00	.....		Josephine Mendillo—HC.....	1.00	.....
23	El Granada—HD.....	1.50	1.00	23	Judge Shinn—HD.....	10.00	5.00
5	Elite Glory—D.....	3.50	1.75	31	Kalif—HC.....	.50
17	Eliza Clarke Bull—D.....	2.50	1.25	3	Kathleen Norris—D.....	7.50
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7	Kittie Dunlap—D.	.75		9	Roman Eagle—D.	2.00	1.00
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18	Margaret Woodrow Wilson—D.	2.50	1.25	21	Shudows Lavender—D.	1.00	
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9	M. F. Heaphy—D.	2.50	1.25	7	Spotswood Beauty—D.	7.50	3.75
10	M. H. de Young—D.	2.00	1.00		Sulphurea—D.	.50	
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33	Miraflora—C.	2.00	1.00	9	Sunny Jersey—D.	1.00	
5	Miss California—D.	2.00	1.00	19	Susan G. Tevis—D.	1.50	1.00
31	Miss New York—HC.	1.50		26	Sunset Glow—HC.	.50	
10	Miss San Francisco—D.		1.75		T. A. Leonard—D.	.75	
31	Mme. Annie Marie Chantre—C.	.50		37	Tango—Cen.	.25	
	Mons. Lenormand—D.	.75			The Bandit—D.	3.00	1.50
9	Mordella—D.	1.50		23	The Grizzly—D.	.75	
7	Monmouth Jewel—D.	5.00	2.50	19	The Lemonade—D.	3.50	1.75
31	Mother—C.	1.00		35	The U. S. A.—DP.	.75	
13	Mr. C. H. Dressehuys—D.	.35		3	The World—D.	10.00	5.00
7	Mr. Crowley—D.	.75			Top Notch—D.	2.50	1.25
10	Mrs. Carl Salbach—D.	.50		3	Treasure Island—D.	10.00	5.00
33	Mrs. C. G. Wyatt—C.	.50		5	Trentonian—D.	1.00	
15	Mrs. D. M. Richards—D.	5.00	2.50		Tut—HD.	.75	
33	Mrs. Edna Spencer—C.	.50		7	Uncle Tom—D.	2.00	1.00
31	Mrs. E. F. T. Smith—HC.	.50		11	Venus—D.	.35	
15	Mrs. Eleanor Martin—D.	2.00	1.00	14	Vineland—D.	.75	
15	Mrs. F. A. C. Perrine—D.	1.50	1.00	22	Waldheim Sunshine—HD.	15.00	7.50
35	Mrs. Frances E. Bullard—P.	2.00	1.00	27	Washington City—HC.	.35	
23	Mrs. Geo. W. Elkins, Jr.—HD.	1.00		11	Wachung Sunrise—D.	7.50	3.75
29	Mrs. Henry Foley—HC.	5.00	2.50	3	White Empress—	10.00	5.00
7	Mrs. I. de Ver Warner—D.	.50		11	White Glory—D.	1.50	
23	Mrs. Jas. A. Babbitt—HD.	.75		12	Winfield Slocombe—D.	1.00	
25	My Maryland—HC.	10.00	5.00	21	Wizard of Oz—D.	1.50	1.00
21	Myra Valentine—D.	.75		23	Wonderland—HD.	2.50	1.25
32	Naag's Roem—HC.	2.00	1.00	19	World's Best White—D.	1.50	1.00
37	Newport Wonder—Cen.	1.00			Zeus—D.	3.00	1.50
31	Nibelungenhort—HC.	.50					
15	Nobilis—D.	.75					
20	North's Yellow—D.	10.00	5.00				
19	Nottingham Beauty—D.	5.00	2.50				
4	Old Hickory—D.	10.00	5.00				
21	Olive Reed—D.	2.50	1.25				
	Oregon Beauty—D.	.25					
19	Our Country—D.	1.00					
	Oyster Bay Beauty—D.	1.50					
23	Papillon—HC.	1.00					
	Patrick O'Mara—D.	.50					
29	Paulina—HC.	3.50	1.75				
23	Paul Michael—HD.	.75					
17	Paul Revere—D.	2.50	1.25				
12	Peacock—D.	2.00	1.00				
34	Pierrot—C.	.50					
13	Pink Flamingo—D.	.25					
19	Pop Stewart—D.	1.50	1.00				
11	Pres. Wilson—D.	2.00	1.00				
11	Pride of California—D.	.35					
15	Pride of Dahliadel—HD.	.75					
29	Pride of Monmouth—HC.	5.00	2.50				
11	Pride of San Francisco—D.	.75					
21	Pride of Stratford—D.	2.50	1.25				
	Primula Rex—C.	3.50	1.75				
	Quaker City—HC.	.50					
17	Queen of the Garden Beauti- ful—D.	3.00	1.50				
11	Robert Scott—D.	2.50	1.25				

DAHLIA GROWERS SUPPLIES *Continued*

DAHLIADEL NICOTONE—A 3% nicotine dust. 5 lbs., \$1.50; 25 lbs., \$5.75 by express, collect. By parcel post, prepaid, including the fourth zone, 1 lb., \$.50; 2 lbs., \$.90; 5 lbs., \$1.75. For distant shipments, include additional postage.

DAHLIADEL DUSTING OUTFIT—Consisting of one Feeny pump-type duster with extension spout for dusting small plants without stooping, and 1 lb. Dahliadel Nicotone. Postpaid, including the fourth zone, \$2.10, with 2 lbs. of nicotine, \$2.50. For distant shipments, include additional postage.

VERMOREL "ORANGE" DUSTER—The best knapsack duster we have found for applying nicotine dust. F. O. B. Vineland. Shipping weight, 18 lbs. Price, \$15.00.

DAHLIADEL COLLECTIONS

DAHLIADEL TRIO

\$3.50

Value \$5.00

Emma Marie

Eastern Star

Casper G. Ware

A—INTRODUCTORY COL.

\$1.00

Value \$2.35

Geo. Walters
MacGregor
Mrs. Edna Spencer
Nibelungenhort
Pride of California

BEGINNERS SURPRISE COLLECTION

\$2.00

Value, \$6.00 to \$8.00

12 fine named varieties tagged. This collection is made up of different varieties than those used last season. It is a wonderful assortment of types and colors. No Singles or Poms. The greatest value ever offered.

C—COLLECTION

\$2.00

Value \$3.00

Ambassador
C. B. Githens
Francis Lobdell
Gladys Bates

DAHLIADEL DOZEN

\$5.00

Value \$12.00

Cigarette
El Dorado
Ellinor Vanderveer
Jersey's Beacon
Jersey's Gem
Mariposa

Mrs. Carl Salbach
Mrs. I. de Ver Warner
Roman Eagle
Sagamore
Trentonian
Elberon Beauty

D—COLLECTION

\$2.00

Value \$3.00

Chas. Stratton
Jane Hall
Jersey's Beauty
Little Jewel

E—COLLECTION

\$7.50

Value \$12.00

Faith Garibaldi
Jersey's Fiancee
Margaret W. Wilson
Mrs. Eleanor Martin
Salbach's White

F—COLLECTION

\$12.00

Value \$19.00

Glory of Monmouth
Harry Mayer
Marmion
Queen of the Garden
Beautiful
Silverado

POSITIVELY NO CHANGES IN COLLECTIONS

CITY OF TRENTON (Prentice-Dahliadel 86), *g e*, Bloom 10 x 4, Bush 6 ft. This wonderful new decorative has all the qualifications of a first-class exhibition dahlia. It is impossible to portray the sheen and luster or the brightness in the color reproduction, but it will give you a general idea. The bush grows strong and robust, producing flowers with perfectly full centres on long, erect stems. A dahlia that will go beyond your expectation. D. S. of N. J. Cert.

Tubers, \$7.50; Plants, \$3.75



CITY OF TRENTON

FREE

YOU MAY SELECT YOUR OWN COMPLIMENTARY TUBERS from the following list on orders for DAHLIA TUBERS AND PLANTS from this catalog, except on collections. On each dollar you are allowed 25c toward any variety in this list. For example, on an order of \$6.00 worth of tubers or plants you may select \$1.50 worth from the following list free, or a \$2.00 variety by paying 50c additional.

Ambassador	\$.75	Francis Lobdell	\$.75	Mina Burgle	\$.35
Bronze Beauty .....	.25	Harry Mayer	5.00	Mordella	1.50
Caspar G. Ware.....	2.00	Jane Hall .....	.75	Oregon Beauty .....	.25
C. B. Githens.....	.75	Jersey's Fiancee	2.50	Pink Flamingo .....	.25
Champagne	1.00	Jersey's Sovereign	1.00	Pride of California.....	.35
Dorothy Robbins.....	.35	Little Belle .....	.50	Roman Eagle	2.00
El Dorado	1.00	Marcella .....	.25	Sulphurea .....	.50
Emma Marie	1.00	Margaret W. Wilson....	2.50	Trentonian	1.00

POSITIVELY NO FREE TUBERS ON COLLECTIONS OR SPECIAL OFFERS

DAHLIAS of QUALITY and DISTINCTION mean for you QUALITY tubers with all the health and vitality a well-grown tuber should have, regardless of cost of production, and DISTINCTION by growing only the worthwhile varieties of the bright and pleasing shades and colors. Our forty acres of healthy stock and 17,000 square feet of floor space completely equipped for growing, storing and shipping dahlias await your needs.

OUR GUARANTEE

All dahlia tubers and plants are guaranteed healthy and true to name to the extent of replacement with true stock. Tubers that fail to start in three weeks will be replaced upon their return. POTASH FED DAHLIAS have given such universal satisfaction the past season that we are going one step further and guarantee Dahliadel 1929 Introductions to prove entirely satisfactory to the extent of replacement with the same variety or one of any other of equal value from the following season's catalog. Satisfaction and safe delivery guaranteed.

Orders will be filled with strong, field-grown root divisions unless green plants are specified. We will notify you if unable to supply any variety, as we do not substitute. Six of one variety for the price of five.

TERMS AND DELIVERY

CASH WITH ORDER. Stamps accepted up to \$3.00; above that amount, check, money order or cash by registered mail. Tubers will be sent April 15th to May 15th by parcel post prepaid, unless shipment is C. O. D., in which case the customer pays the C. O. D. charges. Shipments to sections where plantings are at a different time will be made accordingly.

WARNING. Do not send cash by mail unless you have it registered.

NOTICE ON GREEN PLANT SHIPMENTS. Plants will be shipped from May 1st to June 15th, but cannot be sent C. O. D., as this causes delay. When tubers and plants are ordered together, tubers will be held and shipped with the plants unless otherwise specified. For shipments of 200 miles or over, we recommend plants should travel parcel post, "Special Delivery." For this please add 25c to your remittance. We pay all regular postage.

We guarantee plants as well as tubers to arrive in good condition, but cannot guarantee plants if shipped over 200 miles unless sent "Special Delivery."

DAHLIADEL NURSERIES

WARREN W. MAYTROT

Vineland, New Jersey



WALDHEIM
SUNSHINE



TREASURE ISLAND
(DAHLIADEL)